APPENDIX A

DETAILED SAMPLE INFORMATION AND INGREDIENT DECLARATIONS

APPENDIX A

Sample No.	Collection Date	Time	Distributor	Manufacturer	Product Type	Lot # / Product Code	Product Description	"Three free" Declaration	Ingredient Panel Declaration	Number of units collected	Number of Units submitted	Note
NPR-0517-A	5/17/2011	12:16	Sunshine Beauty Supply	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	Sation 99 basecoat	None	0.5 fl oz, light creamy colored liquid in clear glass bottle.	Yes	Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, sucrose acetate isobutyrate, isobutyl alcohol,acrylic copolymer,camphor,stearal konium hectorite,diacetone alcohol, benzophenone-1, citric acid	6	3	Ingredient panel same as 17-B, but 17-B is clear. This product is creamy colored.
NPR-0517-B	5/17/2011	12:16	Sunshine Beauty Supply	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	Sation 98 nail lacquer, shiny topcoat	None	0.5 fl oz, clear liquid in clear glass bottle.	Yes	Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, sucrose acetate isobutyrate, isobutyl alcohol,acrylic copolymer,camphor,stearal konium hectorite,diacetone alcohol, benzophenone-1, citric acid	5	3	
NPR-0517-C	5/17/2011	12:16	Sunshine Beauty Supply	LeChat Nail Care Products, Hercules, CA 94547	Dare To Wear nail lacquer	DW24	0.55 fl oz clear liquid in clear glass bottle	Yes	Contains: Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, isobutyl alcohol,camphor. May also contain: stearaalkonium, hectorite,benzophenone-1, titanium dioxide, mica, bismouth oxychloride, silica nylon fiber, talc, iron oxide, D&C Red #6 Barium Lake, D&C Red #7, D&C Red #34, D&C Yellow #5, D&C Red # Dark 7, black iron oxide, ferric ammonium ferrocyanidediacetone alcohol, citric acid			
NPR-0517-D	5/17/2011	12:16	Sunshine Beauty Supply	OPI Products, Inc. N. Hollywood, CA 91605	Nail lacquer, Birthday Babe NL A35	10055ABV	0.5 fl oz, metallic silver colored liquid suspension in clear glass bottle	No	Ethyl acetate, butyl acetate,nitrocellulose, propyl acetate, tosylamide/formaldehyde resin, isobutyl alcohol, trimethyl pentanyl diisobutyrate, triphenyl phosphate, ethyl tosylamide, camphor,stearaalkonium bentonite, diacetone alcohol, stearaalkonium hectorite, benzophenone-1, citric acid, dimethicone, alumina, Cl 77163, Cl 77891, Cl 77491, Cl77499	3	2	
NPR-0517-E	5/17/2011	12:16	Sunshine Beauty Supply	Sunshine Nail Products Co	Sunshine nail lacquer	None	0.5 fl oz, magenta colored, liquid suspenion with a metallic shiny particlates.	No	None	4	4	No ingredient panel, no manufacturer address, no lot code. Possible custom product for distributor.

Sample No.	Collection Date	Time	Distributor	Manufacturer	Product Type	Lot # / Product Code	Product Description	"Three free" Declaration	Ingredient Panel Declaration	Number of units collected	Number of Units submitted	Note
NPR-0517-F	5/17/2011	12:16	Sunshine Beauty Supply	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	Chelseu 650 Baby's Breath (fast dry formula)	None	0.5 fl oz liquid suspension with shiny metallic hue	Toluene & formaldehyde free	Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, sucrose acetate isobutyrate, isobutyl alcohol,acrylic copolymer,camphor,dibutyl pthalate, stearalkonium hectorite,diacetone alcohol, benzophenone-1, citric acid	6	4	Label does not indicate, but product appears to be a lacquer.
NPR-0517-G	5/17/2011	12:16	Sunshine Beauty Supply	Poshe Almell Products, Ltd., Dallas, TX 75238	Poshe fast drying basecoat	Bar code 6 97271 01028 1	0.5 fl oz clear liquid in clear glass bottle	Yes	Ethyl acetate, butyl acetate,butanol, nitrocellulose, polyester resin, polysiloxane co-polymer, butyl benzyl pthalate, benzophenone	3	2	Label states pthalate free, but ingredient panel states products contains butyl benzyl pthalate
NPR-0517-H	5/17/2011	12:16	Sunshine Beauty Supply	Cali Beauty Supply 9081 Bolsa Ave, Westminster, CA 92683	Nail polish thinner	None	16 fl oz liquid in sealed metal container	No	Ethyl acetate, n-butyl acetate, toluene	1	1	Emergency contatc: (800) 535-5053
NPR-0517-I	5/17/2011	14:18	Oakland Nails & Beauty Supply	LeChat R&D Richmond, CA 94804	CM (Color Madnic) Luscious nail lacquer	None	0.5 fl oz clear liquid, top coat	Yes	Contains: Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, isobutyl alcohol,camphor. May also contain: stearalkonium hectorite,benzophenone-1, titanium dioxide, mica, bismouth oxychloride, silica nylon fiber, talc, iron oxide, D&C Red #6 Barium Lake, D&C Red #7 Calcium Lake, D&C Red #34 Calcium Lake, D&C Yellow #5 Aluminum Lake, D&C Violet #2,ferric ammonium ferrocyanide, octrizole	6	4	
NPR-0517-J	5/17/2011	14:18	Oakland Nails & Beauty Supply	Cacie Nail Creations, Inc., Gardena, CA 92843	Cacie lightfree gel basecoat Step I	Item#LFG173	0.5 fl oz light yellow liquid in glass bottle. Professional use only.	No	Ethyl Acetate, Butyle Acetate, isopropyl alcolhol, cellulose acetate butyrate, dibutyl pthalate, nitrocellulose, acrylates copolymer, polyester resin, camphor, etocrylene, D&C Yellow #2	3	2	
NPR-0517-K	5/17/2011	14:18	Oakland Nails & Beauty Supply	Cacie Nail Creations, Inc., Gardena, CA 92843	Cacie SunProtection Topcoat	None	0.5 fl oz light grenn, liquid in glass bottle. Quick drying, UV Proof, Professional use only.	No	Ethyl Acetate, Butyle Acetate, isopropyl alcolhol, cellulose acetate butyrate, dibutyl pthalate, nitrocellulose, acrylates copolymer, polyester resin, camphor, etocrylene, D&C Blue #1			

Sample No.	Collection Date	Time	Distributor	Manufacturer	Product Type	Lot # / Product Code	Product Description	"Three free" Declaration	Ingredient Panel Declaration	Number of units collected	Number of Units submitted	Note
NPR-0517-L	5/17/2011	14:18	Oakland Nails & Beauty Supply	American International Industries, Los Angeles, CA 90040	China Glaze nail laquer with hardeners	70527	0.5 fl oz light brownish metallic collored liquif suspension in glaa bottle	No	Ethyl Acetate, Butyle Acetate, nitrocellulose, propyl acetate, tosylamide/formaldehyde resin, isobutyl alcohol, trimethyl phosphate, trimethyl pentanyl diisobutyrate, ethyl tosylamide, camphor,stearalkonium bentonite,stearalkonium hectorite, benzophenone-1, citric acid, dimethyicone, kaolin (China Clay), mica, Red 6 (Cl 15850), titanium dioxide 9Cl 77891), Yellow 5 Lake (Cl19140)	4	2	
NPR-0517-M	5/17/2011	13:52	Generation Beauty Supply	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	Golden Girl	None	Non-yellow, air brush top coat, 8 fl oz., 240 mL	No	Ethyl Acetate, Butyle Acetate, nitrocellulose, polyester resin, dibutyl pthalate, bentone, isopropyl alcolhol, camphor, octocryiene	1	1	
NPR-0517-N	5/17/2011	13:52	Generation Beauty Supply	Omega Labs USA P.O. Box 840 Sun City, CA 92586	Nail Art Top -N- Seal, topcoat	None	0.5 fl oz clear liquid in glass bottle	No	Ethyl Acetate, N-Butyl Acetate, isopropyl alcolhol, dibutyl pthalate, camphor, nitrocellulose	5	3	
NPR-0517-O	5/17/2011	13:52	Generation Beauty Supply	Orly International Inc., Los Angeles, CA 91406	Orly nail lacquer, 40215 Flagstone Rush	653633	0.6 fl oz magenta metallic collored liquid suspension inn glass bottle.	Yes	Contains: Butyl acetate, ethyl acetate, isopropyl alcohol, nitrocellulose, adipic acid /neopentyl glycol / trimellitic anhydride coplymer, triphenyl phosphate, trimethyl pentanyl diisobutyrate, stearalkonium bentonite, ethyl tosylamide, tosylamide/epoxy resin, sucrose acetate isobutyrate, stearalkonium hectorite, borylene (?), benzophenone-1, citric acid. May contain: acetyl tributyl citrate, aluminum powder, aqua/water/eau, butyl alcohol, calcium sodium borosilicate, dimethicone, polyethylene terepthalate, polyvinyl butyral, propyl acetate, silica, styrene/acrylates copolymer, synthetic fluorphlogopite, tin oxide, trimethylsiloxysilicate,CI 15850/Red 6, CI 15850:1/ Red 7, CI 15880/Red 34, CI 19140 /Yellow 5, CI 42080 / Blue 1, CI 60725 / Violet 2, CI 73360/Red 30, CI 77019/mica, CI 77163/bismuth oxychloride, CI 77491/red iron oxide, CI 77499/black iron oxide, CI 77510/ferric ferrocynide, CI 77520 / ferric ammonium	3	2	Ingredient panel at bottom of vial. Wording invisible even with a magnifier.
NPR-0518-A	5/18/2011	12:16	New Look Discount Beauty Supply	Unknown	Thinner	None	"professional use only" nail polish thinner, 8 fl oz.	No	None	2	2	Product appeared to be re-bottled. Plastic bottle. Solvent smell detected.

Sample No.	Collection Date	Time	Distributor	Manufacturer	Product Type	Lot # / Product Code	Product Description	"Three free" Declaration	Ingredient Panel Declaration	Number of units collected	Number of Units submitted	Note
NPR-0518-B	5/18/2011	12:16	New Look Discount Beauty Supply	Art of Beauty Systems, Inc. P.O. Box 22349 Cleveland, OH 44122	Zoya professional lacquer	09460107 Erin ZP348	0.5 fl oz light pinkish creamy colored lacquer in glass bottle	Yes	Butyl Acetate, ethyl Acetate, nitrocellulose, acetyl tributyl citrate, isopropyl alcohol, sterlkonium hectorite, acrylates copolymer, styrene/acrylates copolymer	3	2	
NPR-0518-C	5/18/2011	12:16	New Look Discount Beauty Supply	Essie Cosmetics Ltd. Astoria, NY 11105	Essie 596 Starter Wife nail lacquer	0	0.5 fl oz light pink liquid suspension in glass	No	Contains: Butyl acetate, ethyl acetate, nitrocellulose, propyl acetate, tosylamide/formaldehyde resin, isopropyl alcohol, acetyl tributyl citrate, triphenyl phosphate, trimethyl pentanyl diisobutyrate, ethyl tosylamide, stearalkonium bentonite, styrene/acrylates copolymer, diacetone alcohol, camphor, polyvinyl butyral, stearalkonium hectorite, benzophenone-1, citric acid, dimethicone, silica, trimethylsiloxysilicate, N-butyl alcohol, trimethylpentanediyl dibenzoate. May contain: CI 47005:1 (D&C Yellow #10), CI 47000 (D&C Yellow #11), CI 77163 (bismuth oxychloride), mica-CAS 12001-26-2, CI 19140 (Yellow 5 Lake), polyethylene terephthalate, CI 15850:1 (Red 7 Lake), CI 15850 (Red 6 Lake), CI77001 (titanium dioxide), CI 15880:1 (Red 34 Lake), CI 77491 (Red Iron), CI 77499 (Black Iron), CI 77510 (ferric ammonium ferrocynide), CI 75170 (guanine), CI 42090 (Blue 1 Lake), CI 60725 (Violet 2), CI 17200 (Red 33), CI 77000 (aluminium powder), CI 73360 (Red 30), CI 26100 (Red	5	2	
NPR-0518-D	5/18/2011	12:16	New Look Discount Beauty Supply	International Nail Manufacturers, 1221 N. Lakeview Avenue Anaheim, CA 92807	Out the Door topcoat	1.44607E+11	0.5 fl oz clear liquid in glass	No	ethyl acetate, Sd Alcohol 40B 9alcohol denat.0 butyl acetate, cellulose acetate butyrate, acrylates copolymer, trimetrhyl pentanyl dissobutyrate, sucrose benzoate, triphenyl phosphate, nitrocellulose, isopropyl alcohol, benzophenone-1, dimethyl polysiloxane, Violet 2 (CI60725), Blue 1 (CI 42090)	6	3	
NPR-0518-E	5/18/2011	12:16	New Look Discount Beauty Supply	New Look custom (?)	High Gloss Topcoat	None	0.5 fl oz clear liquid in glass	No	Isopropyl alcolhol, Butyle Acetate, cellulose acetate butyrate, acrylates copolymer, methoxyisopropyl acetate, dipropyllene glycol dibenzoate	6	3	Distributor re-bottled from unknown source. Distributor stated that it was the cheapest Product.
NPR-0518-F	5/18/2011	12:16	New Look Discount Beauty Supply	Prima Technologies, Inc. 110 Lake Avenue South, Suite 42, Nesconset, NY 11767	Nail Tek Base Intensive Therapy and topcoat (Quicken) (Twin Pack)	None	Two 0.5 oz clear liquid in glass	No	Butyl Acetate, acrylates /acrylamide copolymer, (B-66), Ethyl Acetate, isopropyl alcohol, diethyl pthalate	6	3	

Sample No.	Collection Date	Time	Distributor	Manufacturer	Product Type	Lot # / Product Code	Product Description	"Three free" Declaration	Ingredient Panel Declaration	Number of units collected	Number of Units submitted	Note
NPR-0518-G	5/18/2011	13:14	Kellie's Nail and Beauty	Omega Labs USA Manufacturing, Inc. P.O. Box 52808 Riverside, CA 92517	Nail Art Stripper Brush #117 Magenta Glitter	None	0.25 fl oz magenta colored, metallic liquid suspensionin glass	Toluene & Formaldehyde free	nitrocellulose, ethyl acetate, butyl acetate, succinic acid alkyd resin, sucrose acetate isobutyrate, isopropyl alcohol, di-camphor, stearalkonium hectorite, 2,4 hihydroxy(?) benzophenone	5	3	
NPR-0518-H	5/18/2011	13:14	Kellie's Nail and Beauty	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	New York Summer nail color	None	0.5 fl oz, bright red creamy liquid suspension in clear glass bottle.	Toluene & Formaldehyde free	Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, sucrose acetate isobutyrate, isobutyl alcohol,acrylic copolymer,camphor,dibutyl pthalate, stearalkonium hectorite,diacetone alcohol, benzophenone-1, citric acid	5	3	
NPR-0518-I	5/18/2011	12:49	Bay's Nail and Beauty Supply	Mirage Corp, CA 90012	Paris Spicy 298 (nail lacquer)	None	0.5 fl oz pink colored liquif suspension in clear glass	Toluene free	Butyl acetate, ethyl acetate, nitrocellulose, polyester resin, dibutyl pthalate,isobutyl alcohol,bentone, camphor. May also contain: D&C Red #6 Barium Lake, D&C Red #7 Calcium Lake, D&C Red #34 Calcium Lake, D&C Yellow #5 Aluminum Lake, D&C Yellow #6 Aluminum Lake, D&C Violet #2 Alizurol Purple, ferric ammonium ferrocyanide, titanium dioxide, carbon black, iron oxide,bismuth ox, mica	5	3	
NPR-0518-J	5/18/2011	12:49	Bay's Nail and Beauty Supply	Miss Prof. Nail Prod., Inc. Gardena, CA 90249	Sation 53 Red Pink	None	0.5 fl oz, bright red creamy colored liquid in clear glass bottle.	Toluene & Formaldehyde free	Ethyl acetate, butyl acetate,nitrocellulose, polyester resin, sucrose acetate isobutyrate, isobutyl alcohol,acrylic copolymer,camphor, dibutyl pthalate, stearalkonium hectorite,diacetone alcohol, benzophenone-1, citric acid	6	3	

APPENDIX B

SOPS AND LABORATORY COMMENTS

Title: Determination of Volatile Organics and Total Purgeable Petroleum Hydrocarbons by GC/MS [Methods 8260B, 8015B, AK 101 and NWTPH-Gx]

Approvals (Signature/Date):

David Allameh Technical Manager	2/19/10 Date	Joe Schairer Health & Safety Manager / Coordinator	3/2/10 Date
Douglas Weir Quality Assurance Manager	02/26/10 Date	Karla Buechler Laboratory Director	3/2/10 Date

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1. SCOPE AND APPLICATION

1.1. This method is applicable to the determination of Volatile Organic Compounds in waters, wastewater, soils, sludges and other solid matrices. Standard analytes and reporting limits are listed in Table 1. Total Purgeable Petroleum Hydrocarbons are listed in Appendix A.

1.2. This SOP is applicable to method 8260B, using prep methods 5030A, 5030B, 5035 and 5035A.

1.3. This method can be used to quantify most volatile organic compounds that have boiling points below 200ºC and are insoluble or slightly soluble in water. Volatile water soluble compounds can be included in this analytical technique; however, for more soluble compounds, quantitation limits are approximately ten times higher because of poor purging efficiency.

1.4. The method is based upon a purge and trap, gas chromatograph/mass spectrometric (GC/MS) procedure. The approximate working range is 0.5 to 80 ug/L for waters, 5 to 400 ug/kg for low-level soils, and 250 to 25,000 ug/kg for medium-level soils.

1.5. Method performance is monitored through the use of surrogate compounds, matrix spike/matrix spike duplicates, and laboratory control spike samples.

1.6. When undertaking projects for Department of Defense (DoD) the relevant criteria in QA Policy WS-PQA-021 "DoD QSM and AFCEE QAPP Implementation" must be checked and incorporated.

2. SUMMARY OF METHOD

2.1. Volatile compounds are introduced into the gas chromatograph by the purge and trap method. The components are separated via the chromatograph and detected using a mass spectrometer, which is used to provide both qualitative and quantitative information.

2.2. Aqueous samples are purged directly. Soil samples may be preserved with sodium bisulfate and purged directly, or preserved by extracting with methanol and diluting into reagent water.

2.3. In the purge and trap process, an inert gas is bubbled through the solution at ambient temperature or at 50°C (50°C required for low level soils) and the volatile components are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the volatile components are trapped. After purging is completed, the sorbent column (trap) is heated and backflushed with inert gas to desorb the components onto a gas chromatographic column. The gas chromatographic column is then heated to elute the components, which are detected with a mass spectrometer.

2.4. Qualitative identifications are confirmed by analyzing standards under the same conditions used for samples and comparing the resultant mass spectra and GC retention times. Each

identified component is quantified by relating the MS response for an appropriate selected ion produced by that compound to the MS response for another ion produced by an internal standard.

3. DEFINITIONS

3.1. Definitions of terms used in this SOP may be found in the glossary of the Quality Assurance Manual (QAM).

3.2. Data qualifiers are defined on each data report. Commonly used data qualifiers are defined in the QAM.

3.3. %D (Percent Drift or Percent Difference)

%D is used to refer to both percent drift (Equation 4, Section 12.4.4) and percent difference (Equation 5, Section 12.4.5). The differences between the two calculations, and when they are each applied, are described in Section 12.

4. INTERFERENCES

4.1. Method interferences may be caused by contaminants in solvents, reagents, glassware, and other processing apparatus that lead to discrete artifacts. All of these materials must be routinely demonstrated to be free from interferences under conditions of the analysis by running laboratory method blanks as described in the Quality Control section. The use of ultra high purity gases, pre-purged purified reagent water, and approved lots of purge and trap grade methanol will greatly reduce introduction of contaminants. In extreme cases the purging vessels may be pre-purged to isolate the instrument from laboratory air contaminated by solvents used in other parts of the laboratory.

4.2. Samples can be contaminated by diffusion of volatile organics (particularly methylene chloride and fluorocarbons) into the sample through the septum seal during shipment and storage. A field blank prepared from reagent water and carried through the sampling and handling protocol can serve as a check on such contamination. Additionally, storage areas for volatile organic test requests are continuously monitored by analysis of a refrigerator holding blank (see WS-QA-002 for additional information on refrigerator blank analysis).

4.3. Matrix interferences may be caused by non-target contaminants that are coextracted from the sample. The extent of matrix interferences will vary considerably from source to source depending upon the nature and diversity of the site being sampled.

4.4. Cross-contamination can occur whenever high-level and low-level samples are analyzed sequentially or in the same purge position on an autosampler. Whenever an unusually concentrated sample is analyzed, it should be followed by one or more blanks to check for cross-contamination. The purge and trap system may require extensive bake-out and cleaning after a high-level sample.

4.5. Some samples may foam when purged due to surfactants present in the sample. When this kind of sample is encountered the sample is diluted until foaming is minimized and sample analysis can proceed.

5. SAFETY

Employees must abide by the policies and procedures in the Corporate Environmental Health and Safety Manual (CW-E-M-001), the West Sacramento Addendum to the Corporate EH&S Manual (WS-PEHS-002) and this document. This procedure may involve hazardous material, operations and equipment. This SOP does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of the method to follow appropriate safety, waste disposal and health practices under the assumption that all samples and reagents are potentially hazardous. Safety glasses, gloves, lab coats and closed-toed, nonabsorbent shoes are a minimum.

5.1. Specific Safety Concerns or Requirements

5.1.1. Analysts must wear approved cut resistant gloves when opening or closing VOA vials. These can be either Ansell HyFlex NBR, Kevlar, or MAPA Blue-Grip latex. Chemical protective gloves must be worn under or over these gloves, as needed.

5.1.2. Eye protection that satisfies ANSI Z87.1, laboratory coat, and chemically resistant gloves must be worn while samples, standards, solvents, and reagents are being handled. Latex, nitrile and vinyl gloves all provide adequate protection against the methanol used in this method.

5.1.3. Exposure to chemicals must be maintained as low as reasonably achievable; therefore all samples must be opened, transferred and prepared in a fume hood. Solvent and waste containers will be kept closed unless transfers are being made.

5.1.4. Laboratory procedures such as repetitive use of pipets, repetitive transferring of samples or extracts, and manipulation of filled separatory funnels and other glassware represent a significant potential for repetitive motion or other ergonomic injuries. Laboratory associates performing these procedures are in the best position to realize when they are at risk for these types of injuries. Whenever a situation is found in which an employee is performing the same repetitive motion, the employee shall immediately bring this to the attention of their supervisor, manager, or the EH&S staff. The task will be analyzed to determine a better means of accomplishing it.

5.1.5. Purge vessels on purge-and-trap instruments can be pressurized by the time analysis is completed. Vent the pressure prior to removal of these vessels to prevent the contents from spraying out.

5.2. Primary Materials Used

The following is a list of the materials used in this method, which have a serious or significant hazard rating. **NOTE: This list does not include all materials used in the**

method. The table contains a summary of the primary hazards listed in the MSDS for each of the materials listed in the table. A complete list of materials used in the method can be found in the reagents and materials section. Employees must review the information in the MSDS for each material before using it for the first time or when there are major changes to the MSDS.

Material (1)	Hazards	Exposure Limit (2)	Signs and symptoms of exposure
Methanol	Flammable Poison Irritant	200 ppm-TWA	A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Symptoms of overexposure may include headache, drowsiness and dizziness. Methyl alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur; symptoms may parallel inhalation exposure. Irritant to the eyes.
Sodium Bisulfate	Corrosive	None Listed	Contact may cause skin/eye burns. Inhalation can cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing and shortness of breath. Causes chemical burns to the respiratory tract. May cause fatal spasms, inflammation or pulmonary/respiratory edema.
1 – Always add acid to water to prevent violent reactions.			
2 – Exposure limit refers to the OSHA regulatory exposure limit.			

6. EQUIPMENT AND SUPPLIES

6.1. Gas tight micro syringes: 10 uL and larger.

6.2. Gas tight syringe: 5 to 25 mL glass with Luerlock tip, if applicable to the purging device.

6.3. Balance: Analytical, capable of accurately weighing 0.0001 g, and a top-loading balance capable of weighing 0.01 g

6.4. Glassware:

6.4.1. Vials: 20 mL with screw caps and Teflon liners.

6.4.2. Vials: 40 mL with screw caps and Teflon liners.

6.4.3. Vials: 40 mL with screw caps, Teflon liners, magnetic stirbars. Vials may also contain 5 mL of sodium bisulfate preservative solution.

6.4.4. Volumetric flasks: 10 mL, 50 mL and 100 mL, class A with ground-glass stoppers.

6.5. Spatula: Stainless steel.

6.6. Disposable pipettes: Pasteur.

6.7. pH paper: Wide range.

6.8. Purge and Trap Device: The purge and trap device consists of the sample purger, the trap, and the desorber.

6.8.1. Autosampler: The closed loop autosampler must accommodate 40 ml VOC vials with low bleed Teflon septa. For soil analysis, the unit must heat the VOC vial to 50ºC and actuate a magnetic stir bar during sample purging in the vial. For water analysis, the unit must be able to deliver a measured amount of sample from a sealed VOC vial into the purging cell.

6.8.2. Sample Purger: The purge gas must pass through the water column as finely divided bubbles, each with a diameter of less than 3 mm at the origin. The purge gas must be introduced no more than 5 mm from the base of the water column. Alternative sample purge devices may be used provided equivalent performance is demonstrated. Low level soils are purged directly from a VOA vial.

6.8.3. Trap: A variety of traps may be used, depending on the target analytes required. For most purposes, the Vocarb #10 trap (Tenax / Silica gel / Carbon molecular sieve) is suitable. Other traps, such as Vocarb 4000, or Tenax / Silica gel / Charcoal may be used if the Quality Control criteria are met.

6.8.4. Desorber: The desorber should be capable of rapidly heating the trap to 180ºC. Many such devices are commercially available.

6.9. Gas Chromatograph/Mass Spectrometer System:

6.9.1. Gas Chromatograph: The gas chromatograph (GC) system must be capable of temperature programming.

6.9.2. Gas Chromatographic Columns: The recommended column is a DB-624 20m x 0.18 mm ID, 1 µm film thickness.

6.9.3. Mass Spectrometer: The mass spectrometer must be capable of scanning 35-300 AMU every two seconds or less, using 70 volts electron energy in the electron impact mode and capable of producing a mass spectrum that meets the required criteria when 50 ng of 4-Bromofluorobenzene (BFB) are injected onto the gas chromatograph column inlet.

6.9.4. GC/MS interface: In general, glass jet separators are used, but any interface (including direct introduction to the mass spectrometer) that achieves all acceptance criteria may be used.

6.9.5. Data System: A computer system that allows the continuous acquisition and storage on machine readable media of all mass spectra obtained throughout the duration of the chromatographic program. The computer must have software that allows searching any GC/MS data file for ions of a specified mass and plotting

such ion abundances versus time or scan number. This type of plot is defined as an Extracted Ion Current Profile (EICP). Software must also be available that allows integrating the abundances in any EICP between the specified time or scan-number limits. Also, for the non-target compounds, software must be available that allows for the comparison of sample spectra against reference library spectra. The most recent release of the NIST/EPA mass spectral library should be used as the reference library. The computer system must also be capable of backing up data for long-term off-line storage.

7. REAGENTS AND STANDARDS

7.1. Organic Free Water

Organic free water is defined as water in which an interferent is not observed at the reporting limit of the compounds of interest. Organic free water is generated by continuous sparging of deionized or distilled water with helium or nitrogen.

7.2. Gases for GC operation (i.e., carrier): helium, nitrogen

7.3. Sodium bisulfate solution: already present in pre-prepared VOA vials.

7.4. Methanol -- Purge and Trap Grade

7.5. Calibration Standard

7.5.1. Stock Solutions:

Stock solutions may be purchased as certified solutions from commercial sources or prepared from pure standard materials as appropriate. These standards are prepared in methanol and stored in Teflon-sealed screw-cap bottles with minimal headspace at -10° to -20°C. Stock standards for non-gases must be replaced at least every 6 months (from the time of preparation, if prepared in house, or from the time the ampule is opened if purchased), or the manufacturer's expiration date, whichever is sooner. Stocks may be replaced sooner if comparison with check standards prepared from an independent source indicates a problem. Stock standards for the gases (bromomethane, chloromethane, chloroethane, vinyl chloride, bromoethane, trichlorofluoromethane, dichlorodifluoromethane) must be replaced every 2 months (from the time of preparation, if prepared in house, or from the time the ampule is opened if purchased), or the manufacturer's expiration date, whichever is sooner. Once opened, gas stock standards are aliquoted to vials, each stored with minimum headspace for up to 2 months. Each vial is used for no more than two weeks.

7.5.2. Working standards:

A working solution containing the compounds of interest is prepared from the stock solution(s) in methanol. These standards are stored in the freezer or as recommended by the manufacturer. Working standards are monitored by

comparison to the initial calibration curve. If any of the compounds drift in response from the initial calibration by more than 20% then fresh standards may need to be prepared.

7.5.3. Calibration standards are prepared in reagent water using the secondary dilution standards. These aqueous standards must be prepared daily. These standards are prepared in 50 or 100 mL volumetric flasks according to the recipes in the table section of this SOP.

7.5.4. If stock or secondary dilution standards are purchased in sealed ampules they may be used up to the manufacturers expiration date or within 6 months of opening, whichever is sooner.

7.5.5. Each multipoint calibration curve must be compared against a second source standard that is independent of the solution used for preparing the curve. This practice is to ensure that no adverse drift in response is occurring.

7.6. Internal Standards: Internal standards are added to all samples, standards, and blank analyses. Refer to Table 10 for internal standard components.

7.7. Surrogate Standards: Refer to Table 11 for surrogate standard components and spiking levels.

7.8. Laboratory Control Sample and Matrix Spiking Solutions: Refer to Table 12 for LCS/MS/MSD components and spiking levels.

7.9. Tuning Standard: A standard is made up that will deliver 50 ng on column upon injection. A recommended concentration is 25 ng/uL of 4-Bromofluorobenzene in methanol.

7.10. Initial Calibration Verification (ICV): A standard solution containing the analytes present in the calibration standards, but prepared from a source separate from the calibration standards. The LCS spiking standard may be used as an ICV.

7.11. Calibration standards are prepared by injecting a measured volume of the stock standard into a syringe containing the appropriate volume of organic free water. The calibration standard is then loaded into the purge device.

8. SAMPLE COLLECTION, PRESERVATION AND STORAGE

8.1. Water samples are normally preserved in the field at pH < 2 with 1:1 hydrochloric acid.

8.1.1. The maximum holding time is 14 days from sampling until the sample is analyzed (samples that are found to be unpreserved are still analyzed within the 14 day holding time per SW-846, however, the lack of preservation should be addressed in the case narrative). If samples are known to be received without preservation, the holding time is 7 days from sampling to analysis based on guidance from method 624. Samples that require the analysis of 2-chloroethylvinylether must be

sampled unpreserved. The lab must give prior approval to accepting samples for 2-chloroethylvinylether.

8.1.2. All samples are stored in glass containers with Teflon lined septa at 4 ± 2°C, with minimal headspace.

8.2. Solid samples may be received in several ways, which affects the holding time. All solid samples are stored at 4 ± 2°C until analysis, unless otherwise noted.

8.2.1. Grab samples: The solid sample used for volatiles analysis is an aliquot taken from the sample container. The container is typically an 8 or 16 ounce jar, or a core tube. These samples have a holding time of 14 days from date of sampling to date of analysis. If a medium-level analysis is required, the holding time does not change.

8.2.2. EnCore samples: The samples are shipped to the laboratory in EnCore sampling sleeves. The laboratory must preserve these within 48 hours of sampling. In general, 3 sleeves are submitted for each sample. Two of these are preserved with sodium bisulfate / H_2O solution, and the third is preserved with methanol, with a holding time of 14 days from sampling to analysis. If effervescence occurs, one of the sodium bisulfate fractions is preserved with water and frozen at –7°C until analysis. In this case, samples must be analyzed within 14 days of sampling. Alternatively, samples may be extruded into an empty sealed VOA vial and frozen within 48 hours of sampling, then analyzed within 14 days of sampling. Certain programs or states, such as Hawaii, may set a 7 day hold time for frozen samples.

8.2.3. Field preserved: Solid samples are taken and preserved in the field with either sodium bisulfate solution, methanol, or frozen in a VOA vial. Samples frozen in encores must be analyzed or transferred to a sealed VOA vial within 48 hours of sampling.

8.3. Methanolic solid extracts may be aliquotted into 2 - 5 mL glass vials or maintained in original 20 mL VOA vials with Teflon lined caps and stored at 4 ± 2°C. The extracts are stored with minimal headspace. These extracts must be analyzed within 14 days of collection.

8.4. The maximum holding time for all volatile analyses is 14 days from sample collection.

8.5. At specific client request, unpreserved soils packed into glass jars or brass tubes may be accepted and subsampled in the lab. This is the old procedure based on method 5030A. It is no longer included in SW-846 and is likely to generate results that are biased low.

8.6. Holding blanks are prepared, stored, and analyzed in accordance with SOP WS-QA-0002, “Procedure for the Set-Up, Maintenance, and Analysis of Holding Blanks for Volatile Refrigerators”.

9. QUALITY CONTROL

9.1. Batch

The batch is a set of up to 20 samples of the same matrix processed using the same procedures and reagents within the same time period. Using this logic, each BFB analysis will normally start a new batch. Batches for laboratory preserved medium level soils are defined at the sample preparation stage and may be analyzed on multiple instruments over multiple days, although reasonable effort should be made to keep the samples together. Batches for field-preserved medium level solids are defined at the initial analysis, and may be analyzed on multiple instruments over multiple days, although reasonable effort should be made to keep the samples together.

9.1.1. The Quality Control batch must contain a matrix spike/spike duplicate (MS/MSD), a Laboratory Control Sample (LCS), and a method blank. In some cases, a LCS/LCSD may be used if there is insufficient sample volume for a MS/MSD if batch precision is required by the client or program. A NCM (Non Conformance Memo) must be generated in this case. Refer to the QC Program document (WS-PQA-003) for further details of the batch definition.

9.2. Method Blanks

For each batch of samples, analyze a method blank. The method blank is analyzed after the calibration standards, normally before any samples. For low-level volatiles, the method blank consists of reagent water. For medium-level volatiles, the method blank consists of methanol. Surrogates are added and the method blank is carried through the entire analytical procedure. The method blank must not contain any analyte of interest at or above the reporting limit (except common laboratory contaminants, see below) or at or above 10% of the measured concentration of that analyte in the associated samples, whichever is higher.

- Corrective action is not required for levels below the reporting limit (i.e., “J” values).
- If the analyte is a common laboratory contaminant (methylene chloride, acetone, 2-butanone) the data may be reported with qualifiers if the concentration of the analyte is less than five times the reporting limit. Such action must be taken in consultation with the QA department and the client.
- Reanalysis of samples associated with an unacceptable method blank is required when reportable concentrations less than 10 times the method blank are determined in the samples.
- If there is no target analyte greater than the RL in the samples associated with an unacceptable method blank, the data may be reported with qualifiers.
- The method blank must have acceptable surrogate recoveries. If surrogate recoveries are not acceptable, the data must be evaluated to determine if the method blank has served the purpose of demonstrating that the analysis is free of contamination. If surrogate recoveries are low, and there are reportable analytes in the associated

samples, re-extraction of the blank and affected samples will normally be required. Consultation with the QA department and the client should take place.

- The DOD QSM criteria for method blanks is no analytes detected greater than ½ the reporting limit (RL). For common laboratory contaminants, it is no analytes detected greater than the RL.

9.2.1. If reanalysis of the batch is not possible due to limited sample volume or other constraints, the method blank is reported, all associated samples are flagged with a "B," and appropriate comments may be made in a narrative to provide further documentation.

9.2.2. Refer to the QC Program document (WS-PQA-003) for further details of the corrective action.

9.3. Laboratory Control Samples (LCS)

For each batch of samples, analyze an LCS. The LCS is analyzed after the calibration standard(s), and normally before any samples. The LCS contains a representative subset of the analytes of interest (see Table 12), and must contain the same analytes as the matrix spike. Upon client request, additional analytes may be added to the LCS. If any control analyte or surrogate is outside established control limits, the system is out of control and corrective action must occur. Corrective action will normally be re-preparation and reanalysis of the batch. The analyst should monitor the system if non-control analytes are outside of established control limits, and perform corrective action as necessary to prevent re-occurring failures.

- If the batch is not re-extracted and reanalyzed, the reasons for accepting the batch must be clearly presented in the project records and the report. (An example of acceptable reasons for not reanalyzing might be that sample surrogate recoveries are good and recoveries are high, and samples were ND for these analytes.)
- If re-extraction and reanalysis of the batch is not possible due to limited sample volume or other constraints, the LCS is reported, all associated samples are flagged, and appropriate comments are made in a narrative to provide further documentation.

9.3.1. Refer to the QC Program document (WS-PQA-003) for further details of the corrective action.

9.4. Matrix Spikes

For each QC batch, analyze a matrix spike and matrix spike duplicate (MS/MSD). Spiking compounds and levels are given in Table 12. Compare the percent recovery and relative percent difference (RPD) to the historically generated limits.

- If any individual recovery or RPD falls outside the acceptable range, corrective action must occur. The initial corrective action will be to check the recovery of that analyte in the LCS. Generally, if the recovery of the analyte in the LCS is within limits, then the laboratory operation is in control and analysis may proceed. The reasons for accepting the batch must be documented using a non-conformance memo.

- If the recovery for any component is outside QC limits for both the MS/MSD and the LCS, the laboratory is out of control and corrective action must be taken. Corrective action will normally include reanalysis of the batch.
- If a MS/MSD is not possible due to limited sample volume, then a LCS duplicate may be analyzed if batch precision is required by the client or program. RPD of the LCS and LCSD are compared to the matrix spike limits.
- The MS/MSD must be analyzed at the same dilution as the unspiked sample, even if the matrix spike compounds will be diluted out, or the spiked analytes will be over the calibration range.

9.4.1. Refer to the QC Program document (WS-PQA-003) for further details of the corrective action.

9.5. Surrogates

Every sample, blank, and QC sample is spiked with surrogates. Surrogate recoveries in samples, blanks, and QC samples must be assessed to ensure that recoveries are within established limits. The compounds included in the surrogate spiking solutions are listed in Table 11. If any surrogates are outside limits, the following corrective actions must take place (except for dilutions of extracted samples):

- Check all calculations for error.
- Ensure that instrument performance is acceptable.
- Recalculate the data and/or reanalyze if either of the above checks reveal a problem.
- Re-prepare and reanalyze the sample or flag the data if neither of the above resolves the problem.

It is only necessary to re-prepare/reanalyze a sample once to demonstrate that poor surrogate recovery is due to matrix effect, unless the analyst believes that there is a problem with either of the two analyses other than a matrix effect.

9.5.1. If the surrogates are out of control for the sample, matrix spike, and matrix spike duplicate, then matrix effect has been demonstrated for that sample and re-preparation is not necessary. If the sample is out of control and the MS and/or MSD is in control, then reanalysis or flagging of the data is required.

9.5.2. Refer to the QC Program document (WS-PQA-003) for further details of the corrective action.

9.6. Internal Standards

Internal standards are components similar in nature to the analytes of interest. These are added to every sample (including QC aliquots) and standard analyzed. The purpose is to enable calculations based on internal standard methodology. Internal standard recoveries are monitored to verify that instrument performance is acceptable. Criteria for standards are delineated in Section 10. If the internal standard data indicate instrument failure, the

samples may require reanalysis. If not, the impact on sample data is evaluated and the data is flagged appropriately.

9.6.1. Any samples that do not meet the internal standard criteria for the continuing calibration (Section 10.7) must be evaluated for validity. If the change in internal standard response is a matrix effect confined to an individual sample, reanalysis is not necessary. If the change in internal standard response is due to instrumental problems, all affected samples must be reanalyzed after the problem is corrected.

9.7. Control Limits

In-house historical control limits must be determined for surrogates, matrix spikes, and laboratory control samples (LCS). These limits must be determined at least annually. The recovery limits are mean recovery ± 3 standard deviations for surrogates, matrix spikes and LCS. Precision limits for matrix spikes / matrix spike duplicates are 0 to mean relative percent difference + 3 standard deviations.

9.7.1. All surrogate, LCS, and MS recoveries (except for dilutions) must be entered into QuantIMS (when available) or other database so that accurate historical control limits can be generated. For tests without a separate extraction, surrogates and matrix spikes will be reported for all dilutions.

9.7.2. Refer to the QC Program document (WS-PQA-003) for further details of the corrective action.

9.8. Nonconformance and Corrective Action

Any deviations from QC procedures must be documented as a nonconformance, with applicable cause and corrective action approved by the facility QA Manager.

9.9. Quality Assurance Summaries

Some clients may require specific project or program QC that may supersede these method requirements. Quality Assurance Summaries should be developed to address these requirements.

9.10. TestAmerica West Sacramento QC Program

Further details of QC and corrective action guidelines are presented in the QC Program document (WS-PQA-003). Refer to this document if in doubt regarding corrective actions.

10. CALIBRATION

10.1. For details of the calculations used to generate the regression equations, and how to use the factors generated by these equations, refer to SOP CA-Q-S-005 “Calibration Curves (General)”.

10.2. Summary

Prior to the analysis of samples and blanks, each GC/MS system must be tuned and calibrated. Hardware tuning is checked through the analysis of the 4-Bromofluorobenzene (BFB) to establish that a given GC/MS system meets the standard mass spectral abundance criteria. The GC/MS system must be calibrated initially at a minimum of five concentrations (analyzed under the same BFB tune), to determine the linearity of the response utilizing target calibration standards. Once the system has been calibrated, the calibration must be verified each twelve hour time period for each GC/MS system. The use of separate calibrations is required for water/medium level soil and low soil matrices.

10.3. Recommended Instrument Conditions

More details of recommended instrument conditions may be found in Table 15.

Gas chromatograph suggested temperature programs	
BFB Analysis	85°C (no hold) 20°C/minute to 160°C (hold 2.0 min) 50°C/minute to 200°C (hold 1.2 min)
Sample Analysis	35°C (hold 2 min) 15°C/minute to 200°C (hold 3.0 min)

10.4. Instrument Tuning

Each GC/MS system must be hardware-tuned to meet the abundance criteria listed in Table 13 for a 50 ng injection of BFB (1 uL of a 50 ng/uL standard). Analysis must not begin until these criteria are met. These criteria must be met for each twelve-hour time period. The twelve-hour time period begins at the moment of injection of BFB.

10.4.1. To evaluate the BFB tune, verify that the software averaged three scans, at the apex, 1 scan before the apex, and one scan after the apex. Alternatively, the scan at the apex may be evaluated.

10.4.2. Background subtraction should be employed. The scan used for background subtraction must be before the elution of BFB, but no earlier than 20 scans before the elution of BFB, and may not include part of the peak.

10.5. Initial Calibration

A series of at least five initial calibration standards is prepared and analyzed for the target compounds and each surrogate compound (this is referred to as a “five-point calibration” later in this SOP). Typical calibration levels for aqueous samples are: 0.25, 0.5, 1, 4, 20, 40, 60, and 80 µg/L. Some analytes are prepared at higher concentrations due to poor purge performance. Tables 2 and 3 list the calibration levels for each analyte in solid and aqueous samples. Other calibration levels and purge volumes may be used depending on the capabilities of the specific instrument. However, the same purge volume must be used for calibration and sample analysis, and the low level standard must be at or below the reporting limit.

10.5.1. It may be necessary to analyze more than one set of calibration standards to encompass all of the analytes required for some tests. For example, the Appendix

IX list requires the "normal 8260" standard and the Appendix IX standard. If acceptable analytical performance can be obtained, the primary and Appendix IX standards may be analyzed together.

10.5.2. Internal standard calibration is used. The internal standards are listed in Table 10. Target compounds should reference the nearest internal standard. Each calibration standard is analyzed and the relative response factor (RRF) for each compound is calculated using the area response of the characteristic ions against the concentration for each compound and internal standard. See Equation 1, Section 12, for calculation of relative response factor.

10.5.3. A new calibration curve must be generated after major changes to the system or when the continuing calibration criteria cannot be met. Major changes include new (uncalibrated) columns. A new calibration is not required after performing column maintenance, replacing the septum or syringe, or performing other minor maintenance.

10.5.4. With the exception of instances detailed in Policy CA-Q-S-005, it is NOT acceptable to remove points from a calibration curve for the purpose of meeting criteria, unless the points are the highest or lowest on the curve AND the reporting limit and/or linear range is adjusted accordingly. In any event, at least 5 points must be included in the calibration curve. Quadratic (second order) calibrations require at least six points.

10.6. Evaluating the Initial Calibration

10.6.1. Calculate the average relative response factor for each compound. Verify that the System Performance Check Compounds (SPCC) below meet their minimum average relative response factor:

SPCC Compounds and Minimum Response Factors			
Compound	**Min. RRF**	**Compound**	**Min. RRF**
Chloromethane 0.100		1,1,2,2-Tetrachloroethane	0.300
1,1-Dichloroethane 0.100		Chlorobenzene	0.300
Bromoform 0.100			

10.6.1.1. If the average RRF for any of the SPCC compounds is less than the minimum specified, the calibration is not valid. The initial calibration must be repeated before analysis may continue. Instrument maintenance may be required.

10.6.2. Calculate the %RSD for each compound. Evaluate the %RSDs of the Calibration Check Compounds (CCC) listed below, which must be less than 30%.

CCC Compounds	
Vinyl Chloride	1,2-Dichloropropane
1,1-Dichloroethene Toluen	e

Chloroform Ethylbenze	ne

10.6.2.1. If the %RSD for any CCC compound is greater than 30%, the calibration is not valid. The initial calibration must be repeated before analysis may continue. Instrument maintenance may be required.

10.6.2.2. If none of the CCCs are required analytes, project specific calibration specifications may be negotiated with the client.

10.6.3. Evaluate the %RSD of each analyte.

10.6.3.1. If the %RSD is ≤ 15% for a compound, the average relative response factor is used to quantitate that compound.

10.6.3.2. If the %RSD is > 15% for a compound, attempt a linear curve fit. Linear curve fits must have a correlation coefficient (r) of ≥ 0.995, or a coefficient of determination (r^2) of ≥ 0.990. In addition, the y intercept (listed as "b" on the Target ICAL summary page) should be within +(RL/ISTD) to –1/2(RL/ISTD). If the intercept exceeds this criterion, false positives or negatives could result. If the intercept exceeds +1/2(RL/ISTD), then J values should be evaluated for possible false positives. If the RL is elevated for client or project requirements, use the default RL in the calculation

Note: The RL value must be in terms of the amount "on-column" on the instrument.

10.6.3.3. If the linear fit does not meet criteria, a quadratic curve fit may be attempted. The coefficient of determination (r^2) must be ≥ 0.990 and the y intercept (listed as "b" on the Target ICAL summary page) should be within +(RL/ISTD) to –1/2(RL/ISTD). If the intercept exceeds this criterion, false positives or negatives could result. If the intercept exceeds +1/2(RL/ISTD), then J values should be evaluated for possible false positives. If the RL is elevated for client or project requirements, use the default RL in the calculation

Note: The RL value must be in terms of the amount "on-column" on the instrument.

10.6.3.4. If neither curve fit meets criteria, the "grand average" approach may be employed. Average the %RSDs of all compounds in the calibration. If this value is ≤ 15%, then all analytes may use average response factor for calibration. If this criterion is not met, the calibration must be repeated before analysis may continue. If the grand average approach is used, the client must be notified via a non-conformance memo of any analytes in the calibration curve that exceed the 15% criteria for which there are either reportable hits or QC failures. No analytes may exceed 40%D.

10.6.4. Weighting of data points

In a linear or quadratic calibration fit, the points at the lower end of the calibration curve have less weight in determining the curve generated than points at the high concentration end of the curve. However, in environmental analysis, accuracy at the low end of the curve is very important. For this reason it is preferable to increase the weighting of the lower concentration points. 1/Concentration^2 weighting (often called $1/X^2$ weighting) will improve accuracy at the low end of the curve and should be used if the data system has this capability.

10.6.5. Internal Standards

Evaluate the IS response for each calibration level against the IS response in the CCV-level calibration standard. If the internal standard response in a given calibration level is more than 200% or less than 50% of the response in the mid-level of the initial calibration standard, the chromatographic system must be inspected for malfunctions and corrected. Reanalysis of the initial calibration performed while the system was malfunctioning is required.

10.6.6. Initial Calibration Verification (ICV) – When available, a second source standard is analyzed with the initial calibration curve. Each compound of the ICV must be within ≤ 25%D, with the following exceptions:

Classification	Criteria
Gases:	Up to three gases at ≤30%D (chloroethane, bromomethane, dichlorodifluoromethane)
Ketones:	Up to two ketones at ≤ 30%D (acetone, 2-butanone, 4-methyl-2-pentanone, 2-hexanone)
Poor purgers/Poor Responders:	Carbon disulfide ≤ 40%D 1,4-dioxane ≤ 50%D 2-chloroethylvinyl ether ≤ 35%D Vinyl acetate ≤ 40 %D
Appendix IX: (see Table 8)	≤ 50%D

Check QAPP requirements, or ensure that the client is aware of these exceptions.

Corrective actions for the ICV include:

- Rerun the ICV

- Remake or acquire a new ICV
- Evaluate the instrument conditions
- Evaluate the Initial Calibration Standards

10.7. If time remains in the 12-hour period initiated by the BFB injection before the initial calibration, samples may be analyzed. Otherwise, proceed to continuing calibration.

10.8. Continuing Calibration: The initial calibration must be verified every twelve hours.

10.8.1. Continuing calibration begins with analysis of BFB as described in Section 10.3. If the system tune is acceptable, the continuing calibration standard(s) are analyzed. The level 5 calibration standard is generally used as the continuing calibration.

10.8.2. The RF data from the standards are compared with the average RF from the initial five-point calibration to determine the percent drift of the CCC compounds. The calculation is given in equation 4, Section 12.3.4. In addition, the % drift of all non CCC analytes must be ≤ 40% (not to exceed 25% for AFCEE or DOD, 20% for DOD 4.1, or predetermined exceptions). Non-CCC analytes above 20%D are tracked for possible future corrective action.

10.8.3. The % drift of the CCCs **must** be ≤ 20% for the continuing calibration to be valid. The SPCCs are also monitored. The SPCCs must meet the criteria described in Section 10.5.1.

10.8.3.1. If none of the CCCs are required analytes, project specific calibration specifications must be agreed with the client.

10.8.4. If the CCCs or the SPCCs do not meet the criteria in Section 10.5.3, the system must be evaluated and corrective action must be taken. The BFB tune and continuing calibration must be acceptable before analysis begins.

10.8.5. If the retention time for any internal standard in the continuing calibration changes by more than 0.5 minutes from the mid-level initial calibration standard, the chromatographic system must be inspected for malfunctions and corrected. Reanalysis of samples analyzed while the system was malfunctioning is required.

10.8.6. If the internal standard response in the continuing calibration is more than 200% or less than 50% of the response in the mid-level of the initial calibration standards, the chromatographic system must be inspected for malfunctions and corrected. Reanalysis of samples analyzed while the system was malfunctioning is required.

10.8.7. Once the above criteria have been met, sample analysis may begin. Initial calibration average RFs (or the calibration curve) will be used for sample quantitation, not the continuing calibration RFs. Analysis may proceed until 12

hours from the injection of the BFB have passed. (A sample *desorbed* less than or equal to 12 hours after the BFB is acceptable.)

11. PROCEDURE

11.1. Procedural Variations

Procedural variations are allowed only if deemed necessary in the professional judgment of the supervisor to accommodate variation in sample matrix, radioactivity, chemistry, sample size, or other parameters. Any variation in procedure shall be completely documented using a Nonconformance memo and approved by a supervisor and QA/QC manager. If contractually required, the client will be notified. The Nonconformance memo will be filed in the project file.

Any deviations from this procedure identified after the work has been completed must be documented as a nonconformance, with a cause and corrective action described. A Nonconformance memo shall be used for this documentation.

11.2. Preliminary Evaluation

11.2.1. Where possible, samples are screened by GC or GC/MS off-tune analysis to determine the correct aliquot for analysis. Alternatively, an appropriate aliquot can be determined from sample histories.

11.2.2. Dilutions should be done just prior to the GC/MS analysis of the sample, as described in Section 11.12.

11.3. Sample Analysis

11.3.1. All analytical conditions for samples must be the same as for the initial and continuing calibration standards (including purge time and flow, desorb time and temperature, column temperatures, multiplier setting etc.).

11.3.2. All samples must be analyzed as part of a batch. The batch is a set of up to 20 samples of the same matrix processed using the same procedures and reagents within the same time period. The batch also must contain an MS/MSD, an LCS, and a method blank.

11.3.2.1. The 12-hour tune period defines the batch. If any re-tuning of the instrument is necessary, or if a period of greater than 12 hours from the preceding BFB tune has passed, a new batch must be started. For medium level soils the batch is defined at the sample preparation/preservation stage.

11.3.2.2. Laboratory generated QC samples (Method Blank, LCS, MS/MSD) do not count towards the maximum 20 samples in a batch. Field QC samples are included in the batch count.

11.3.2.3. It is not necessary to reanalyze batch QC with reanalysis of samples. However, any reruns must be as part of a valid batch.

11.3.2.4. Regardless of the matrix being evaluated, the analytical sequence starts with an acceptable BFB tuning check, followed by an ICAL of at least five points, or a CCV that meets %D criteria from an existing ICAL, as well as the CCC and SPCC criteria. Analysis continues until 12 hours from the tune analysis has passed.

11.4. Aqueous Sample Analysis

Internal standard and surrogate solutions are added at the rate of 1uL per sample to each sample prior to purging. Refer to Tables 10 and 11 for composition of these solutions.

11.4.1. All samples and standard solutions must be at ambient temperature before analysis.

11.4.2. Begin the analytical sequence as described in Section 11.3, above.

11.4.3. Prepare and analyze an LCS (and LCSD, if required). Partially fill a 50 mL volumetric flask with reagent water, and spike as noted below. Add reagent water to the line, stopper the flask, and gently invert 3 times to mix. Fill one 40 mL VOA vial from the volumetric flask, and cap it. Place the vial on the instrument. The "normal 8260" LCS is required with all sample analyses; the "AP9" LCS is performed only when requested by the client, or on an annual basis.

Aqueous LCS Spiking			
Solution Final	Volume (mL)	Volume Spiked (uL)	
		Normal 8260 LCS	AP9 LCS
TCL AB (200 ug/mL)	50	5	--
Vinyl Acetate (200 ug/mL)	50	5	--
Odd (200 - 5000 ug/mL)	50	5	--
AP9A (200 - 5000 ug/mL)	50	--	5
AP9B (200 ug/mL)	50	--	5
Acrolein (2000 ug/mL)	50	--	5

Composition of the solutions above is defined in the Table Section of this SOP.

11.4.4. Follow the LCS with clean-out blanks, as needed.

11.4.5. Prepare and analyze a method blank. Fill a VOA vial with reagent water, and cap. Place the vial on the instrument.

11.4.6. Once LCS and MB have been evaluated, up to 20 field samples may be added to the instrument. If matrix spikes are required, the matrix spike solutions must be added to the vial prior to analysis. Spike as indicated below through the septum of the sample. Invert to mix, and place on the instrument.

Aqueous Sample Spiking in a 43 mL VOA vial		
Spiking Standard	Volume Spiked (uL)	
	Normal 8260 MS/SD	AP9 MS/SD
TCL AB (200 ug/mL)	4.3	--
Vinyl Acetate (200 ug/mL)	4.3	--
Odd (200 - 5000 ug/mL)	4.3	--
AP9A (200 - 5000 ug/mL)	--	4.3
AP9B (200 ug/mL)	--	4.3
Acrolein (2000 ug/mL)	--	4.3

Composition of the solutions above is defined in the Table Section of this SOP.

Note: *Samples with high amounts of sediment present in the vial may not be suitable for analysis on this instrumentation.*

11.4.7. Samples are purged, desorbed and analyzed under the same conditions as standards and QC, according to Table 15.

11.4.8. Sample remaining in the vial after sampling with one of these mechanisms is no longer valid for further analysis. A fresh VOA vial must be used for further sample analysis.

11.4.9. Check and record the pH of the sample remaining in the VOA vial after analysis is completed.

11.5. Preserving solid samples (in EnCore samplers) for low level analysis (laboratory preservation with sodium bisulfate). (Method 5035 and 5035A)

Note: The laboratory can accommodate only the 5 g samplers for low-level analysis.

11.5.1. Use pre-prepared VOA vials containing a magnetic stir bar and 5.0 mL of sodium bisulfate solution.

11.5.2. Attach a label. The label must not cover the neck of the vial or the autosampler will malfunction.

11.5.3. Tare the vial.

11.5.4. Extrude the soil sample from the EnCore sampler into the prepared VOA vial. Weigh the vial to the nearest 0.01 g to obtain the weight of soil and note in the sample preservation log. Proceed to Section 11.7.

11.5.5. If the sample will not be analyzed immediately, store at 4 ± 2°C until analysis. Proceed to Section 11.7.

Note: Soils containing carbonates may effervesce when added to the sodium bisulfate solution. If this is the case at a specific site, add 5 mL of water instead, and freeze at ≤-10°C until analysis. Proceed to Section 11.7.

11.6. When preparing solid samples sub-sampled from grab samples for low level analysis (method 5030A), refer to SOP WS-QA-0018 for sub-sampling procedures.

11.6.1. Prepare VOA vials by adding a magnetic stir bar.

11.6.2. Tare the vial, and sub-sample approximately 5 g soil into the vial. Record the mass to the nearest 0.01g.

Note: Less than 5 g soil may be used (to a minimum of 1 g) if slight sample dilution is required. See Section 11.12.

11.6.3. Add 5 mL of reagent water to the sample, seal the vial and label.

11.6.4. Proceed immediately to Section 11.7 for analysis.

11.7. Low-Level Solids Analysis

Internal standard and surrogate solutions are added at the rate of 1uL per sample, in 5 mL reagent water to each sample prior to purging. Refer to Tables 10 and 11 for composition of these solutions, and final sample concentrations.

11.7.1. This method is based on purging a heated sediment/soil sample mixed with organic free water containing the surrogate and, if applicable, matrix spiking standards. Analyze all reagent blanks and standards under the same conditions as the samples (e.g., heated). The calibration curve is also heated during analysis. Purge temperature is 50°C. Instrument conditions are in table 15.

11.7.2. Begin the analytical sequence as described in Section 11.4, above.

11.7.3. If some of the samples to be analyzed in the batch are preserved with sodium bisulfate are to be analyzed in the batch, use a pre-preserved vial for the method blank. Otherwise, prepare a method blank by adding 5 mL of reagent water to a VOA vial with stir bar. Seal and label the vial.

11.7.4. Prepare an LCS (and LCSD if required) by spiking 5 mL of reagent water with 2.5 uL of each matrix spiking solution. Place in a 40 mL VOA vial with stir-bar, seal and label the vial(s).

Low-level Solid Sample Spiking (5 gram)		
Spiking Standard	**Volume Spiked (uL)**	
	Normal 8260 MS/SD	**AP9 MS/SD**
TCL AB (200 ug/mL)	2.5	--
Vinyl Acetate (200 ug/mL)	2.5	--
Odd (200 - 5000 ug/mL)	2.5	--
AP9A (200 - 5000 ug/mL)	--	2.5
AP9B (200 ug/mL)	--	2.5
Acrolein (2000 ug/mL)	--	2.5

11.7.5. For matrix spike aliquots, spike as outlined in Section 11.7.4 above.

11.7.6. Soil samples that have low surrogate recovery when analyzed should be reanalyzed once to confirm matrix effect.

11.8. Preparing solid samples field preserved with methanol (without surrogate):

11.8.1. When the samples are returned to the lab, obtain the weight of the soil added to the vial and note in the preservation log.

11.8.2. Proceed to Section 11.9.3, below.

11.9. Preparing solid samples (in EnCore samplers) for medium level analysis (laboratory preservation with methanol). (Methods 5035 and 5035A)

11.9.1. Tare a VOA vial containing 5 mL methanol.

11.9.2. Extrude the (nominal) 5 g sample into the tared vial. Weigh the vial plus soil, and record the sample weight to nearest 0.01g in the preservation logbook.

11.9.3. Spike each sample as noted below. All values are assuming a nominal 5g sample. The addition of spike introduces a slight error (0.4%) into the calculations, which can be neglected.

Methanol Extracted Solid Sample Spiking			
Spiking Standard	Volume Spiked (uL) onto 5 g soil		
	Normal Sample	Normal 8260 LCS/LCSD/MS/SD	AP9 LCS/LCSD/MS/SD
Surrogate (100 ug/mL)	8µL	50µL	50
TCL A (200 ug/mL)	--	50µL	--
TCL B (200 ug/mL)	--	50µL	
Vinyl Acetate (200 ug/mL)	--	50µL	--
Odd (200 - 5000 ug/mL)	--	50µL	--
AP9A (200 - 5000 ug/mL)	--	--	50
AP9B (200 ug/mL)	--	--	50
Acrolein (2000 ug/mL)	--	--	25

11.9.4. Prepare an LCS for each batch by adding the correct amount of matrix spiking and surrogate spiking solutions to 5 mL methanol.

11.9.5. Prepare a method blank for each batch by adding the correct amount of surrogate solution to 5 mL of methanol in a VOA vial.

11.9.6. Shake the samples for two minutes to distribute the methanol throughout the soil.

11.9.7. Best results are obtained by allowing the samples to equilibrate with the methanol for at least 48 hours before continuing with the analysis. Since this is not always possible, be certain to note the preparation time as well as date in the preservation logbook.

11.9.8. Allow to settle. The extract aliquot is maintained in its original 20 mL VOA vial at 4 ± 2°C until analysis. Proceed to Section 11.11 for analysis.

11.10. Methanol Extract Soil Analysis

For field preserved samples, internal standard and surrogate are added by the autosampler prior to purging, as in aqueous analysis (Section 11.4, above). For laboratory preserved samples, surrogate is added at the time of preservation, and the internal standard is added when the methanol solution is added to the VOA vial.

11.10.1. Methanol extracts are analyzed under the same instrumental conditions as aqueous samples, i.e., purging at ambient temperatures.

11.10.2. Begin the analytical sequence as described in Section 11.4, above.

11.10.3. Prepare each sample (including batch QC) by partially filling a 40 mL VOA vial with reagent water. Spike 860 uL methanol extract into the vial. Fill the vial, cap, invert to mix, and place on the instrument.

11.10.3.1. If the sample was field preserved, set the autosampler to add internal standard and surrogate solutions prior to purging.

11.10.3.2. If the sample was laboratory preserved, add 4.3 uL internal standard solution prior to filling and capping the vial.

11.11. Waste Dilution

This is used for waste materials soluble in methanol.

11.11.1. Tare a clean 10 mL volumetric flask. Add approximately 1 g of the waste material and record the mass.

11.11.2. Add about 5-8 mL methanol, and swirl gently to mix. Dilute to the mark with methanol. Prepare sample for analysis as a methanol extract (Section 11.10).

11.11.3. On the instrument, begin the analytical sequence as described in Section 11.4, above. Use the batch QC (method blank and LCS) prepared for aqueous samples (Section 11.4). Recalculate the batch QC as though they were diluted waste, to keep values and units consistent with those of the sample.

11.12. Dilutions

If the response for any compound exceeds the working range of the GC/MS system, a dilution of the extract is prepared and analyzed. An appropriate dilution should be in the upper half of the calibration range. Samples may be screened to determine the appropriate dilution for the initial run. If the initial diluted run has no hits or hits below 20% of the calibration range, and the matrix allows for analysis at a lesser dilution, then the sample must be reanalyzed at a dilution targeted to bring the largest hit above 50% of the calibration range.

11.12.1. Guidance for Dilutions Due to Matrix

If the sample is initially run at a dilution and the baseline rise is less than half the height of the internal standards, or if individual non target peaks are less than twice the height of the internal standards, then the sample should be reanalyzed at a more concentrated dilution. This requirement is approximate and subject to analyst judgment.

11.12.2. Reporting Dilutions

The most concentrated dilution with no target compounds above the calibration range will be reported. Other dilutions will only be reported at client request, or in accordance with Federal programs, such as DoD.

11.12.3. Aqueous samples: Prepare the dilution in a 50 mL volumetric flask with reagent water. Fill a VOA vial with the dilution and analyze.

11.12.4. If the dilution required would use less than 1 uL of sample, then serial dilutions must be made in volumetric flasks.

11.12.4.1. The diluted concentration should be estimated to be in mid-calibration range.

11.12.5. Low-level solids: if subsampled from grab samples, a smaller amount (down to 1g) may be analyzed. If sample amounts less than 1g are required, or the samples are provided in EnCore samplers, a medium-level (methanol extract) analysis must be performed.

11.12.6. Medium-level (methanol extract) solids: Decrease the volume of methanol spiked into the VOA vial (Section 11.11.3). If the volume of methanol to be spiked is less than 5 uL, prepare a dilution of the methanol first.

12. CALCULATIONS/DATA REDUCTION

12.1. Qualitative identification

An analyte is identified by retention time and by comparison of the sample mass spectrum with the mass spectrum of a standard of the suspected compound (standard reference spectrum). Mass spectra for standard reference may be obtained on the user's GC/MS by analysis of the calibration standards or from the NIST Library. Two criteria must be satisfied to verify identification: (1) elution of sample component at the same GC retention time as the standard component; and (2) correspondence of the sample component and the standard component characteristic ions. (Note: Care must be taken to ensure that spectral distortion due to co-elution is evaluated.)

- The sample component retention time must compare to within ± 0.2 min. of the retention time of the standard component. For reference, the standard must be run within the same twelve hours as the sample.

- All ions present in the standard mass spectra at a relative intensity greater than 10% (most abundant ion in the spectrum equals 100%) should be present in the sample spectrum.
- The relative intensities of ions should agree to within ±30% between the standard and sample spectra. (Example: For an ion with an abundance of 50% in the standard spectra, the corresponding sample abundance must be between 20 and 80 percent.)

12.1.1. If a compound cannot be verified by all the above criteria, but in the technical judgment of the analyst, the identification is correct, then the analyst shall report that identification and proceed with quantitation.

12.2. Tentatively Identified Compounds (TICs)

12.2.1. If a TIC compound is not part of the client target analyte list, but is calibrated on the instrument and is qualitatively and/or quantitatively identifiable, it must be quantitated based on the calibration, and narrated in Clouseau that it was qualitatively and quantitatively reported compared to a known standard that is in control. If the calibration is not in control, then it should still be narrated that it was reported compared to a known standard, however, that standard is not in control.

12.2.2. If the client requests components not associated with the calibration standards, a search of the NIST Library may be made for the purpose of tentative identification. Guidelines are:

12.2.2.1. Relative intensities of major ions in the reference spectrum (ions > 10% of the most abundant ion) should be present in the sample spectrum.

12.2.2.2. The relative intensities of the major ions should agree to within 20%. (Example: If an ion shows an abundance of 50% in the standard spectrum, the corresponding sample ion abundance must be between 30% and 70%).

12.2.2.3. Molecular ions present in the reference spectrum should be present in the sample spectrum.

12.2.2.4. Ions present in the sample spectrum, but not in the reference spectrum, should be reviewed for possible background contamination or presence of coeluting compounds.

12.2.2.5. Ions present in the reference spectrum, but not in the sample spectrum, should be reviewed for possible subtraction from the spectrum because of background contamination or coeluting peaks. (Data system reduction programs can sometimes create these discrepancies.)

12.2.2.6. Computer-generated library search routines should not use normalization routines that would misrepresent the library or unknown spectra when compared to each other. Only after visual inspection of the sample with the nearest library searches should the analyst assign a tentative identification.

12.2.2.7. Any compound identified by the library search with a probability of 80% or less will be reported as UNKNOWN only. Any compound identified by the library search with 80% to 100% probability will be reported as the compound selected by the library search program. The only exception will be Aldol Condensate products, which will be reported as "Aldol Condensate Product", and not by the analyte name.

12.2.2.8. Compounds or peaks present in both the sample and blanks are not reported.

12.3. All manual or re-integration of chromatograms must be documented in accordance with Policy CA-QS-002 and the West Sacramento-specific addendum. Documentation includes, as a minimum, before and after copies of the chromatograms with a reference to the reason for re-integration. All manual integrations must undergo a second level review.

12.4. Calculations.

12.4.1. Relative response factor (RRF)

Equation 1

$$RRF = \frac{A_X \times C_{IS}}{A_{IS} \times C_X}$$

Where:

A_X = Area of the characteristic ion for the compound to be measured
A_{IS} = Area of the characteristic ion for the specific internal standard
C_{IS} = Concentration of the specific internal standard, ng/mL
C_X = Concentration of the compound being measured, ng/mL

12.4.2. Standard deviation (SD):

Equation 2

$$SD = \sqrt{\sum_{i=1}^{n} \frac{(X_i - X)^2}{n-1}}$$

Where:

X_i = Value of X at i
N = Number of points
X = Average value of X_i

12.4.3. Percent relative standard deviation (%RSD):

Equation 3

$$\%RSD = \frac{SD}{\overline{RRF}} \times 100$$

Where:

SD = Standard Deviation (Eq. 2)

$\overline{RRF}$ = Average of the relative response factors

12.4.4. Percent drift – Percent drift is used when average response factor calibration is not used (i.e., for calculating acceptance of continuing calibration of analytes calibrated using a linear or quadratic curve fit). For acceptance of analytes calculated using average response factor, see Section 12.4.5, Percent Difference.

Equation 4

$$\%Drift = \frac{C_{Found} - C_{Expected}}{C_{Expected}} \times 100$$

Where:

C = Concentration

12.4.5. Percent Difference – Percent difference is used when average response factor calibration is used.

Equation 5

$$\%Difference = \frac{RRF_{Std} - \overline{RRF}}{\overline{RRF}} \times 100$$

Where:

$\overline{RRF}$ = Average of the relative response factors

RRF_{std} = Relative Response factor of the continuing calibration verification

12.4.6. Calculating the "on-column" amount in an unknown sample using Average RRF:

Equation 6

$$C_X = \frac{A_X \times C_{IS}}{A_{IS} \times \overline{RRF}}$$

Where:

A_X = Area of the characteristic ion for the compound to be measured

A_{IS} = Area of the characteristic ion for the specific internal standard

C_{IS} = Concentration of the specific internal standard, ng/mL

C_X = Concentration of the compound being measured, ng/mL

$\overline{RRF}$ = Average response factor of the compound.

12.4.6.1. Calculation of TICs: The calculation of TICs (tentatively identified compounds) is identical to the above calculations with the following exceptions:

A_X = Area of the total ion chromatogram for the compound to be measured
A_{IS} = Area of the total ion chromatogram for the specific internal standard
$\overline{RRF}$ = Assumed to be equal to 1.

12.4.7. Calculating the "on-column" amount in an unknown sample using a linear fit, not forced through zero. (Based on the "Target" data system).

Equation 7

$$C_X = C_{IS} \times \left(b + \frac{A_X}{A_{IS} \times m1} \right)$$

Where:

A_X = Area of the characteristic ion for the compound to be measured
A_{IS} = Area of the characteristic ion for the specific internal standard
C_{IS} = Concentration of the specific internal standard, ng/mL
C_X = Concentration of the compound being measured, ng/mL
b = Constant as calculated by Target
$m1$ = First degree factor, as calculated by Target

12.4.8. Calculating Sample Concentrations

12.4.8.1. Concentration in an aqueous sample or a low-level solid sample (C_S)

Equation 8

$$C_S = C_X \times \frac{V_D}{V_I}$$

Where:

C_X = Concentration of the compound being measured, ng/mL (Eq. 7)
V_D = Default Purge Aliquot Size (g or mL)
V_I = Actual Purge Aliquot Size (g or mL)

12.4.8.2. Concentration in a medium-level solid sample (C_S)

Equation 9

$$C_S = C_X \times \frac{V_W}{V_I} \times \frac{V_M}{M_S}$$

Where:

C_X = Concentration of the compound being measured, ng/mL (Eq. 7)
V_W = Volume of Water used
V_I = Volume of methanol extract added to water
V_M = Volume of methanol added to solid during preservation
M_S = Mass of solid sample

Note: *Any required percent moisture correction occurs following entry into a LIMS database and not at the instrument. See SOP WS-OP-0013, "Determination of Percent Moisture" for details of determining and reporting soil moisture content.*

12.4.8.3. To calculate the concentration in a medium-level solid sample (C_S) accounting for percent moisture contribution (per Method 8000C), use Equation 9, above, but calculate V_M as noted below:

Equation 10

$$V_M = V_{MP} + \left(\frac{Ms \times \%M}{100} \right)$$

Where:

V_M = Volume of methanol added to solid during preservation plus the water content of the sample
V_{MP} = Volume of methanol added to solid during preservation
M_S = Mass of solid sample
$\%M$ = Percent moisture content of the sample (as measured using SOP WS-OP-0013)

Note: *The calculation above does not replace dry-weight correction. It compensates for the water contribution to the methanol used to preserve/extract the sample only. Any required percent moisture correction occurs following entry into a LIMS database and not at the instrument. See SOP WS-OP-0013, "Determination of Percent Moisture" for details of determining and reporting soil moisture content.*

13. METHOD PERFORMANCE

13.1. The group/team leader has the responsibility to ensure that this procedure is performed by an associate who has been properly trained in its use and has the required expertise.

13.2. Method Detection Limit

The laboratory must generate a valid method detection limit for each analyte of interest. The MDL must be below the reporting limit for each analyte. The procedure for determination of the method detection limit is given in 40 CFR Part 136, Appendix B, and further defined in SOP WS-QA-0006. MDLs are available in the Quality Assurance Department.

13.3. Initial Demonstration

The laboratory must make an initial demonstration of capability for each individual method. Demonstration of capability for both soil and water matrices is required. This requires analysis of QC check samples containing all of the standard analytes for the method. For some tests it may be necessary to use more than one QC check mix to cover all analytes of interest.

13.3.1. Four aliquots of the QC check sample are analyzed using the same procedures used to analyze samples, including sample preparation. The concentration of the QC check sample should be less than or equivalent to the LCS samples.

13.3.2. Calculate the average recovery and standard deviation of the recovery for each analyte of interest. Compare these to the laboratory generated QC Limits.

13.4. If any analyte does not meet the acceptance criteria the test must be repeated. Only those analytes that did not meet criteria in the first test need to be evaluated. Repeated failure for any analyte indicates the need for the laboratory to evaluate the analytical procedure and take corrective action.

14. POLLUTION CONTROL

It is TestAmerica's policy to evaluate each method and look for opportunities to minimize waste generated (i.e., examine recycling options, ordering chemicals based on quantity needed, preparation of reagents based on anticipated usage and reagent stability). Employees must abide by the policies in Section 13 of the Corporate Environmental Health and Safety Manual (CW-E-M-001) for "Waste Management and Pollution Prevention."

15. WASTE MANAGEMENT

Waste management practices are conducted consistent with all applicable rules and regulations. Excess reagents, samples and method process wastes are disposed of in an accepted manner. Waste description rules and land disposal restrictions are followed. Waste disposal procedures are incorporated by reference to SOP WS-EHS-0001. The following waste streams are produced when this method is carried out.

15.1. VOA vials containing extracted acidic water and small amounts of methanol. Once analysis is completed, these are collected in plastic lined boxes in the lab. When the box is full, it is transferred to the waste disposal area where the vials are run through the vial eater for disposal.

15.2. VOA vials containing extracted soil samples, which will contain small amounts of methanol and possibly sodium bisulfate. Once analysis is completed, these are collected in plastic lined boxes in the lab. When the box is full, it is transferred to the waste disposal area. The hazardous waste specialist visually inspects each vial with extracted soil. If there is visible liquid in the vial, it is disposed of through the vial eater. If there is no visible liquid, the vial will be placed into a soil collection drum.

15.3. Aqueous acidic waste from sample analysis, which may contain small amounts of methanol and sodium bisulfate. This waste is collected in one gallon plastic carboys. When the carboy is full, it is taken to an H3 waste collection area, and is poured into a blue plastic LLE collection drum. When full to between two and six inches of the top, or after no more than 75 days, move the LLE drum to the waste collection area for shipment.

16. REFERENCES/CROSS REFERENCES

16.1. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, Final Update III, December 1996, Sections 5000, 5030B, 5035, 8000B, and 8260B.

16.2. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 4th Edition, Method 5035A Draft Rev. 1, July 2002.

16.3. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 2nd Edition, Method 5030A Rev. 1, July 1992.

16.4. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, March 2003, Section 8000C.

17. METHOD MODIFICATIONS

17.1. The quantitation and qualifier ions for some compounds have been changed from those recommended in SW-846 in order to improve the reliability of qualitative identification.

18. ATTACHMENTS

18.1. Table 1 – 8260 Compounds and Reporting Limits

18.2. Table 2 – "Normal 8260" Standard Calibration levels (Aqueous)

18.3. Table 3 – 8260 Mix Liquid Curve Recipe (100 mL final volume)

18.4. Table 4 – Appendix IX Standard Calibration Levels (Aqueous Samples)

18.5. Table 5 – AP9/Oxy Liquid Curve Recipe (50 mL final volume)

18.6. Table 6 – "Normal 8260" Standard Calibration Levels (Solid Analysis)

18.7. Table 7 – "Normal 8260" Standard Low-Level Solid Curve Recipe (5 mL Final Volume)

18.8. Table 8 – Appendix 9 Standard Calibration Levels (Solid Samples)

18.9. Table 9 – Appendix 9 Low-level Solid Curve Recipes (5 mL final volumes)

18.10. Table 10 – Internal Standards

18.11. Table 11 – Surrogate Standards

18.12. Table 12 – LCS and MS/SD Spiking Components and Concentrations

18.13. Table 13 – BFB Key Ion Abundance Criteria

18.14. Table 14 – Characteristic Ions

18.15. Table 15 – Suggested Instrument Conditions

18.16. Appendix A – Gas Analysis by GC/MS based on SW-846, CA-LUFT, AK101 and Northwest Methods

19. REVISION HISTORY

19.1. WS-MS-0007, Revision 4.2, Effective 2/26/2010

19.1.1. Revised Section 6.8.3 to "#10 trap (Tenax/silica gel/carbon molecular sieve)."

19.1.2. Revised Section 8.2.2 to "…are preserved with sodium bisulfate / H_2O solution,".

19.1.3. Revised calibration levels in Tables 1 through 12.

19.1.4. Reversed upper part of Equation 4 and Equation 5 to correct signs in Section 12.4.3 and Section 12.4.4.

19.2. WS-MS-0007, Revision 4.1, Effective 9/04/2009

19.2.1. Added Section 1.6, "When undertaking projects for Department of Defense (DoD) the relevant criteria in QA Policy WS-PQA-021 "DoD QSM and AFCEE QAPP Implementation" must be checked and incorporated."

19.2.2. Inserted Section 10.1, "For details of the calculations used to generate the regression equations, and how to use the factors generated by these equations, refer to SOP CA-Q-S-005 "Calibration Curves (General)"."

19.3. WS-MS-0007, Revision 4, Effective 12/03/2008

19.3.1. Updated to TestAmerica format.

19.3.2. Updated BFB tuning criteria to be compliant with the QAM.

19.3.3. Updated TIC qualification to be compliant with the QAM.

19.3.4. Added calculation for percent moisture compensation on methanol preserved samples.

19.3.5. Editorial changes.

19.4. WS-MS-0007, Revision 3, Effective 1/10/07

19.4.1. Directions and references for Method 524.2 have been removed.

19.4.2. Accommodations for newer instrumentation have been made, e.g., standards in volumetric flasks and 5 mL purge for aqueous samples.

19.4.3. Change forms have been incorporated. This updates the ICV criteria, the logic for processing initial calibrations, and the references for the preparation stage of the analysis.

19.4.4. Directions for EnCore samples have been clarified.

19.4.5. Modified purge temperature in Sections 2.3, 6.8.1, 6.9.2, 11.8.1, and Table 17 from 40ºC to 50ºC.

19.4.6. Removed reference to DB-624 megabore column that is no longer used.

19.4.7. Removed reference to PID and FID in Section 10.4.3.

Table 1
West Sacramento 8260 Compounds and Reporting Limits

	CAS	Reporting Limits[1]

		Water µg/L	Low soil µg/kg	Med. Soil µg/kg
Acetone	67-64-1	10	50	500
Acrolein	107-02-8	10	50	500
Acrylonitrile	107-13-1	20	100	500
Benzene	71-43-2	1.0	5.0	50
Bromobenzene	108-86-1	1.0	5.0	50
Bromochloromethane	74-97-5	1.0	5.0	50
Bromodichloromethane	75-27-4	1.0	5.0	50
Bromoform	75-25-2	1.0	5.0	50
Bromomethane	74-83-9	1.0	5.0	50
t-Butanol	75-65-0	50	250	1250
2-Butanone (MEK)	78-93-3	2.0	10	100
n-Butylbenzene	104-51-8	1.0	5.0	50
sec-Butylbenzene	135-98-8	1.0	5.0	50
tert-Butylbenzene	98-06-6	1.0	5.0	50
Carbon disulfide	75-15-0	2.0	10	100
Carbon tetrachloride	56-23-5	1.0	5.0	50
Chlorobenzene	108-90-7	1.0	5.0	50
Chloroprene	126-99-8	2.0	10	100
Dibromochloromethane	124-48-1	1.0	5.0	50
Chloroethane	75-00-3	1.0	5.0	50
2-Chloroethyl vinyl ether	110-75-8	2.0	10	100
Chloroform	67-66-3	1.0	5.0	50
1-Chlorohexane	544-10-5	2.0	10	100
Chloromethane	74-87-3	1.0	5.0	50
Allyl chloride	107-05-1	2.0	10	100
2-Chlorotoluene	95-49-8	1.0	5.0	50
4-Chlorotoluene	106-43-4	1.0	5.0	50
Cyclohexane	110-82-7	2.0	10	100
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2.0	10	100
1,2-Dibromoethane (EDB)	106-93-4	2.0	10	100
Dibromomethane	74-95-3	1.0	5.0	50
1,2-Dichlorobenzene	95-50-1	1.0	5.0	50
1,3-Dichlorobenzene	541-73-1	1.0	5.0	50
1,4-Dichlorobenzene	106-46-7	1.0	5.0	50
trans-1,4-Dichloro-2-butene	110-57-6	2.0	10	100
Dichlorodifluoromethane (Freon 12)	75-71-8	1.0	5.0	50
1,1-Dichloroethane	75-34-3	1.0	5.0	50
1,2-Dichloroethane	107-06-2	1.0	5.0	50
cis-1,2-Dichloroethene	156-59-2	1.0	5.0	50
trans-1,2-Dichloroethene	156-60-5	1.0	5.0	50
1,1-Dichloroethene	75-35-4	1.0	5.0	50
1,2-Dichloroethene (total)	540-5-90	1.0	5.0	50
1,2-Dichloropropane	78-87-5	1.0	5.0	50
1,3-Dichloropropane	142-28-9	1.0	5.0	50
2,2-Dichloropropane	594-20-7	1.0	5.0	50

Table 1
West Sacramento 8260 Compounds and Reporting Limits

Compound	CAS Number	Reporting Limits[1]		
		Water µg/L	Low soil µg/kg	Med. Soil µg/kg
cis-1,3-Dichloropropene	10061-01-5	1.0	5.0	50
trans-1,3-Dichloropropene	10061-02-6	1.0	5.0	50
1,1-Dichloropropene	563-58-6	1.0	5.0	50
Diisopropyl ether	108-20-3	2.0	10	100
1,4-Dioxane	123-91-1	50	250	1250
Tert-amyl methyl ether	994-05-8	2.0	10	100
Tert-butyl ethyl ether	637-92-3	2.0	10	100
Ethylbenzene	100-41-4	1.0	5.0	50
Ethyl methacrylate	97-63-2	2.0	10.0	100
Hexachlorobutadiene	87-68-3	1.0	5.0	50
Hexane	110-54-3	2.0	10	100
2-Hexanone	591-78-6	2.0	10	100
Iodomethane	74-88-4	2.0	10	100
Isobutyl alcohol	78-83-1	20	100	5000
Isopropylbenzene	98-82-8	1.0	5.0	50
Isopropyl ether	108-20-3	2.0	10	100
p-Isopropyltoluene	99-87-6	1.0	5.0	50
Methacrylonitrile	126-98-7	2.0	10	100
Methylene chloride	75-09-2	1.0	10	100
Methyl methacrylate	80-62-6	2.0	10	100
4-Methyl-2-pentanone (MIBK)	108-10-1	2.0	10	100
Methyl tert-butyl ether (MTBE)	1634-04-4	2.0	10	100
Naphthalene	91-20-3	1.0	5.0	50
Propionitrile	107-12-0	2.0	10	100
n-Propylbenzene	103-65-1	1.0	5.0	50
Styrene	100-42-5	1.0	5.0	50
1,1,1,2-Tetrachloroethane	630-20-6	1.0	5.0	50
1,1,2,2-Tetrachloroethane	79-34-5	1.0	5.0	50
Tetrachloroethene	127-18-4	1.0	5.0	50
Tetrahydrofuran	109-99-9	5.0	NA	NA
Toluene	108-88-3	1.0	5.0	50
1,2,3-Trichlorobenzene	87-61-6	1.0	5.0	50
1,2,4-Trichlorobenzene	120-82-1	1.0	5.0	50
1,1,1-Trichloroethane	71-55-6	1.0	5.0	50
1,1,2-Trichloroethane	79-00-5	1.0	5.0	50
Trichloroethene	79-01-6	1.0	5.0	50
Trichlorofluoromethane (Freon 11)	75-69-4	1.0	5.0	50
1,2,3-Trichloropropane	96-18-4	1.0	5.0	50
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	2.0	10	100
1,2,4-Trimethylbenzene	95-63-6	1.0	5.0	50
1,3,5-Trimethylbenzene	108-67-8	1.0	5.0	50
Vinyl acetate	108-05-4	2.0	10	100
Vinyl chloride	75-01-4	1.0	5.0	50

Table 1
West Sacramento 8260 Compounds and Reporting Limits

Compound	CAS Number	Reporting Limits[1]		
		Water µg/L	Low soil µg/kg	Med. Soil µg/kg
m-Xylene & p-Xylene	136777-61-2	1.0	5.0	50
o-Xylene	95-47-6	1.0	5.0	50
Xylenes (total)	1330-20-7	1.0	5.0	50

[1] Reporting limits listed for soil/sediment are based on wet weight. The reporting limits calculated by the laboratory for soil/sediment, calculated on dry weight basis, will be higher.

[2] 2-Chloroethyl vinyl ether cannot be recovered from acid preserved samples, including solids preserved with sodium bisulfate solution.

Table 2

"Normal 8260" Standard Calibration Levels (Aqueous and Medium Level Solid Analysis)

Compound	Stock ug/mL	Calibration Level ug/L							
		1	2	3	4	5	6	7	8
Surrogate									
1,2-Dichloroethane-d4 (Surrogate)	100	--	2.0	4.0	10	20	40	60	80
Toluene-d8 (Surrogate)	100	--	2.0	4.0	10	20	40	60	80
4-Bromofluorobenzene (Surrogate)	100	--	2.0	4.0	10	20	40	60	80
TCL Mix									
Dichlorodifluoromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Chloromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Vinyl chloride	200	0.25	0.5	1.0	4.0	20	40	60	80
Chloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Bromomethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Trichlorofluoromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1-Dichloroethene	200	0.25	0.5	1.0	4.0	20	40	60	80
Carbon disulfide	200	0.25	0.5	1.0	4.0	20	40	60	80
Methylene chloride	200	0.25	0.5	1.0	4.0	20	40	60	80
trans-1,2-Dichloroethene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1-Dichloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
2,2-Dichloropropane	200	0.25	0.5	1.0	4.0	20	40	60	80
cis-1,2-Dichloroethene	200	0.25	0.5	1.0	4.0	20	40	60	80
Bromochloromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Chloroform	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1,1-Trichloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1-Dichloropropene	200	0.25	0.5	1.0	4.0	20	40	60	80
Carbon tetrachloride	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2-Dichloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Benzene	200	0.25	0.5	1.0	4.0	20	40	60	80
Trichloroethene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2-Dichloropropane	200	0.25	0.5	1.0	4.0	20	40	60	80
Dibromomethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Bromodichloromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
cis-1,3-Dichloropropene	200	0.25	0.5	1.0	4.0	20	40	60	80
Toluene	200	0.25	0.5	1.0	4.0	20	40	60	80
trans-1,3-Dichloropropene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1,2-Trichloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Tetrachloroethene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,3-Dichloropropane	200	0.25	0.5	1.0	4.0	20	40	60	80
Dibromochloromethane	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2-Dibromoethane	200	0.25	0.5	1.0	4.0	20	40	60	80
1-Chlorohexane	200	0.25	0.5	1.0	4.0	20	40	60	80
Ethylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
Chlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1,1,2-Tetrachloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
m and p Xylenes	400	0.50	1.0	2.0	8.0	40	80	120	160
o-xylene	200	0.25	0.5	1.0	4.0	20	40	60	80
Styrene	200	0.25	0.5	1.0	4.0	20	40	60	80
Bromoform	200	0.25	0.5	1.0	4.0	20	40	60	80
Isopropylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2,3-Trichloropropane	200	0.25	0.5	1.0	4.0	20	40	60	80

Table 2									
"Normal 8260" Standard Calibration Levels (Aqueous and Medium Level Solid Analysis)									
Compound	Stock ug/mL	Calibration Level ug/L							
		1	2	3	4	5	6	7	8
Bromobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,1,2,2-Tetrachloroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
n-Propylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
2-Chlorotoluene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,3,5-Trimethylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
4-Chlorotoluene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2,4-Trimethylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
T-Butylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
Sec-Butylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,3-Dichlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
p-Isopropyltoluene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,4-Dichlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2-Dichlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
n-Butylbenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2-Dibromo-3-chloropropane	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2,3-Trichlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
Hexachlorobutadiene	200	0.25	0.5	1.0	4.0	20	40	60	80
Naphthalene	200	0.25	0.5	1.0	4.0	20	40	60	80
1,2,3-Trichlorobenzene	200	0.25	0.5	1.0	4.0	20	40	60	80
ODD Mix									
Acetone	200	0.25	0.5	1.0	4.0	20	40	60	80
Acrylonitrile	2000	2.5	5.0	10	40	200	400	600	800
Trichlorotrifluoroethane	200	0.25	0.5	1.0	4.0	20	40	60	80
Methyl *tert*-butyl ether (MTBE)	200	0.25	0.5	1.0	4.0	20	40	60	80
2-Butanone	200	0.25	0.5	1.0	4.0	20	40	60	80
1,4-Dioxane	5000	6.25	12.5	25	100	500	1000	1500	2000
t-Butanol	5000	6.25	12.5	25	100	500	1000	1500	2000
2-Chloroethyl vinyl ether	200	0.25	0.5	1.0	4.0	20l	40	60	80
4-Methyl-2-pentanone	200	0.25	0.5	1.0	4.0	20	40	60	80
2-Hexanone	200	0.25	0.5	1.0	4.0	20	40	60	80
Vinyl Acetate									
Vinyl acetate	200	0.25	0.5	1.0	4.0	20	40	60	80
Methanolic TVPH Surrogate									
a,a,a-Trifluorotoluene	100	--	2.0	4.0	10	20	40	60	80

Table 3

8260 Liquid Curve
100 mL

Calibration Point	Final Volume (mL)	Concentration (µg/L)	Auto IS (500 µg/mL)	Surrogate (100 µg/mL)	*ICAL mix (5-10 µg/mL)	TCLA & TCLB (200 µg/mL)	ODD #1 & #2 (200 – 5000 µg/mL)	Vinyl Acetate (2000 µg/mL)
1	100	0.25/0.50	1.0 µL	--	5.0 µL	---	---	---
2	100	0.5/1.0	1.0 µL	1 µL	10 µL	---	---	---
3	100	1.0/2.0	1.0 µL	2 µL	20 µL	---	---	---
4	100	4	1.0 µL	4 µL	---	2 µL	2 µL	2 µL
5 (CCV)	100	20	1.0 µL	20 µL	---	10 µL	10 µL	10 µL
6	100	40	1.0 µL	40 µL	---	20 µL	20 µL	20 µL
7	100	60	1.0 µL	60 µL	---	30 µL	30 µL	30 µL
8	100	80	1.0 µL	80 µL	---	40 µL	40 µL	40 µL

BFB	1µL	500µg/mL	Direct Inject

*ICAL Mix (5 – 10µg/mL = 400µL FV (350µL MeOH + 10µL TCLA + 10µL TCLB + 10µL ODD #1 + 10µL ODD #2 + 10µL VA)

Table 4

Appendix IX Standard Calibration Levels (Aqueous and Medium Level Solid Analysis)

Compound	Stock Solution ug/mL	Calibration Level (ug/L)						
		Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AP9 A solution								
Iodomethane	200	2	4	10	20	40	60	80
Allyl Chloride	200	2	4	10	20	40	60	80
Isopropyl ether	200	2	4	10	20	40	60	80
tert-Butyl ethyl ether	200	2	4	10	20	40	60	80
Propionitrile	200	2	4	10	20	40	60	80
Methacrylonitrile	200	2	4	10	20	40	60	80
Tetrahydrofuran	200	2	4	10	20	40	60	80
Isobutanol	2000	20	40	100	200	400	600	800
tert-Amyl methyl ether	200	2	4	10	20	40	60	80
Methyl methacrylate	200	2	4	10	20	40	60	80
Ethyl methacrylate	200	2	4	10	20	40	60	80
t-1,4-Dichloro-2-butene	200	2	4	10	20	40	60	80
AP9 B								
Hexane	200	2	4	10	20	40	60	80
Cyclohexane	200	2	4	10	20	40	60	80
Chloroprene	200	2	4	10	20	40	60	80
ACROLEIN								
Acrolein	2000	20	40	100	200	400	600	800

Table 5

AP9/Oxy Curve Recipe (50mL final Volume) (Aqueous and Medium Level Solid Analysis)

Calib Level	IS (100 ug/mL)	AP9 A (200-5000) ug/mL	AP9 B 200 ug/mL	Acrolein 2000 ug/mL
2	10 uL	1 uL	1 uL	1 uL
3	10 uL	2 uL	2 uL	2 uL
4	10 uL	5 uL	5 uL	5 uL
5	10 uL	10 uL	10 uL	10 uL
6	10 uL	20 uL	20 uL	20 uL
7	10 uL	30 uL	30 uL	30 uL
8	10 uL	40 uL	40 uL	40 uL

Table 6									
"Normal 8260" Calibration Level (Low Level Solid Analysis)									
Compound	Stock ug/mL	Calibration Level ug/L							
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Surrogate									
1,2-Dichloroethane-d4 (Surrogate)	100	--	--	10	20	50	100	200	400
Toluene-d8 (Surrogate)	100	--	--	10	20	50	100	200	400
4-Bromofluorobenzene (Surrogate)	100	--	--	10	20	50	100	200	400
TCL Mix									
Dichlorodifluoromethane	200	2.5	5	10	20	50	100	200	400
Chloromethane	200	2.5	5	10	20	50	100	200	400
Vinyl chloride	200	2.5	5	10	20	50	100	200	400
Chloroethane	200	2.5	5	10	20	50	100	200	400
Bromomethane	200	2.5	5	10	20	50	100	200	400
Trichlorofluoromethane	200	2.5	5	10	20	50	100	200	400
1,1-Dichloroethene	200	2.5	5	10	20	50	100	200	400
Carbon disulfide	200	2.5	5	10	20	50	100	200	400
Methylene chloride	200	2.5	5	10	20	50	100	200	400
trans-1,2-Dichloroethene	200	2.5	5	10	20	50	100	200	400
1,1-Dichloroethane	200	2.5	5	10	20	50	100	200	400
2,2-Dichloropropane	200	2.5	5	10	20	50	100	200	400
cis-1,2-Dichloroethene	200	2.5	5	10	20	50	100	200	400
Bromochloromethane	200	2.5	5	10	20	50	100	200	400
Chloroform	200	2.5	5	10	20	50	100	200	400
1,1,1-Trichloroethane	200	2.5	5	10	20	50	100	200	400
1,1-Dichloropropene	200	2.5	5	10	20	50	100	200	400
Carbon tetrachloride	200	2.5	5	10	20	50	100	200	400
1,2-Dichloroethane	200	2.5	5	10	20	50	100	200	400
Benzene	200	2.5	5	10	20	50	100	200	400
Trichloroethene	200	2.5	5	10	20	50	100	200	400
1,2-Dichloropropane	200	2.5	5	10	20	50	100	200	400
Dibromomethane	200	2.5	5	10	20	50	100	200	400
Bromodichloromethane	200	2.5	5	10	20	50	100	200	400
cis-1,3-Dichloropropene	200	2.5	5	10	20	50	100	200	400
Toluene	200	2.5	5	10	20	50	100	200	400
trans-1,3-Dichloropropene	200	2.5	5	10	20	50	100	200	400
1,1,2-Trichloroethane	200	2.5	5	10	20	50	100	200	400
Tetrachloroethene	200	2.5	5	10	20	50	100	200	400
1,3-Dichloropropane	200	2.5	5	10	20	50	100	200	400
Dibromochloromethane	200	2.5	5	10	20	50	100	200	400
1,2-Dibromomethane	200	2.5	5	10	20	50	100	200	400

Table 6									
"Normal 8260" Calibration Level (Low Level Solid Analysis)									
Compound	Stock ug/mL	**Calibration Level ug/L**							
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1-Chlorohexane	200	2.5	5	10	20	50	100	200	400
Ethylbenzene	200	2.5	5	10	20	50	100	200	400
Chlorobenzene	200	2.5	5	10	20	50	100	200	400
1,1,1,2-Tetrachloroethane	200	2.5	5	10	20	50	100	200	400
m and p Xylenes	200	2.5	5	10	20	50	100	200	400
o-xylene	200	2.5	5	10	20	50	100	200	400
Styrene	200	2.5	5	10	20	50	100	200	400
Bromoform	200	2.5	5	10	20	50	100	200	400
Isopropylbenzene	200	2.5	5	10	20	50	100	200	400
1,2,3-Trichloropropane	200	2.5	5	10	20	50	100	200	400
Bromobenzene	200	2.5	5	10	20	50	100	200	400
1,1,2,2-Tetrachloroethane	200	2.5	5	10	20	50	100	200	400
n-Propylbenzene	200	2.5	5	10	20	50	100	200	400
2-Chlorotoluene	200	2.5	5	10	20	50	100	200	400
1,3,5-Trimethylbenzene	200	2.5	5	10	20	50	100	200	400
4-Chlorotoluene	200	2.5	5	10	20	50	100	200	400
1,2,4-Trimethylbenzene	200	2.5	5	10	20	50	100	200	400
t-Butylbenzene	200	2.5	5	10	20	50	100	200	400
Sec-Butylbenzene	200	2.5	5	10	20	50	100	200	400
1,3-Dichlorobenzene	200	2.5	5	10	20	50	100	200	400
p-Isopropyltoluene	200	2.5	5	10	20	50	100	200	400
1,4-Dichlorobenzene	200	2.5	5	10	20	50	100	200	400
1,2-Dichlorobenzene	200	2.5	5	10	20	50	100	200	400
n-Butylbenzene	200	2.5	5	10	20	50	100	200	400
1,2-Dibromo-3-chloropropane	200	2.5	5	10	20	50	100	200	400
1,2,3-Trichlorobenzene	200	2.5	5	10	20	50	100	200	400
Hexachlorobutadiene	200	2.5	5	10	20	50	100	200	400
Naphthalene	200	2.5	5	10	20	50	100	200	400
1,2,3-Trichlorobenzene	200	2.5	5	10	20	50	100	200	400
ODD Mix									
Acetone	200	2.5	5	10	20	50	100	200	400
Acrylonitrile	2000	25	50	100	200	500	1000	2000	4000
Trichlorotrifluoroethane	200	2.5	5	10	20	50	100	200	400
Methyl *tert*-butyl ether (MTBE)	200	2.5	5	10	20	50	100	200	400
2-Butanone	200	2.5	5	10	20	50	100	200	400
1,4-Dioxane	5000	62.5	125	250	500	1250	2500	5000	10000
t-Butanol	5000	62.5	125	250	500	1250	2500	5000	10000
2-Chloroethyl vinyl ether	200	2.5	5	10	20	50	100	200	400

Table 6									
"Normal 8260" Calibration Level (Low Level Solid Analysis)									
Compound	**Stock ug/mL**	**Calibration Level ug/mL**							
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
4-Methyl-2-pentanone	200	2.5	5	10	20	50	100	200	400
2--Hexanone	200	2.5	5	10	20	50	100	200	400
Vinyl Acetate									
Vinyl acetate	200	2.5	5	10	20	50	100	200	400

Table 7									
"Normal 8260" Standard Low-Level Solid Curve Recipe (5.0 g in f10 mL H2O)									
Calibration Level	Concentration µg/Kg	Final Volume	IS 250 µg/mL Autospike	Surrogate 100 µg/mL	TCL A 200 µg/mL	TCL B 200 µg/mL	ODD Mix #1 200 µg/mL	ODD Mix #2 200 µg/mL	Vinyl Acetate 200 µg/mL
1	2.5	10 mL	1.0 µL	2.5µL (a)	N/A	N/A	N/A	N/A	N/A
2	5	10 mL	1.0 µL	5 µL (a)	N/A	N/A	N/A	N/A	N/A
3	10	10 mL	1.0 µL	10uL(a)	N/A	N/A	N/A	N/A	N/
4	20	10 mL	1.0 µL	20µL (a)	N/A	N/A	N/A	N/A	N/A
5	50	10 mL	1.0 µL	2.5µL	1.25µL	1.25µL	1.25µL	1.25µL	1.25 µL
6 (ccv)	100	10 mL	1.0 µL	5.0µL	2.5.0µL	2.5.0µL	2.5.0µL	2.5.0µL	2.5 µL
7	200	10 mL	1.0 µL	10 µL	5 µL	5 µL	5 µL	5 µL	5 µL
8	400	10 mL	1.0 µL	20µL	10µL	10µL	10µL	10µL	10 µL

(a) = 50 µL surrogate, 25µL of TCL A, TCL B, Odd Mix #1, Odd Mix #2, and Vinyl Acetate diluted to FV of 1.0 mL in MeOH.

Note: the lowest level of the calibration curve(TCL Mix) is made using a 1:10 dilution of the stock solution.

Table 8									
Appendix IX Standard Calibration Levels (Low-Level Solid Samples)									
Compound	Stock Solution ug/mL	Calibration Level (ng/g)							
		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AP9/OXY solution									
Iodomethane	200	2.5	5	10	20	50	100	200	400
Allyl Chloride	200	2.5	5	10	20	50	100	200	400
Isopropyl ether	200	2.5	5	10	20	50	100	200	400
tert-Butyl ethyl ether	200	2.5	5	10	20	50	100	200	400
Propionitrile	200	2.5	5	10	20	50	100	200	400
Methacrylonitrile	200	2.5	5	10	20	50	100	200	400
Tetrahydrofuran	200	2.5	5	10	20	50	100	200	400
Isobutanol	2000	25	50	100	200	500	1000	2000	4000
tert-Amyl methyl ether	200	2.5	5	10	20	50	100	200	400
Methyl methacrylate	200	2.5	5	10	20	50	100	200	400
Ethyl methacrylate	200	2.5	5	10	20	50	100	200	400
t-1,4-Dichloro-2-butene	200	2.5	5	10	20	50	100	200	400
CHLOROPRENE									
Chloroprene	200	2.5	5	10	20	50	100	200	400
ACROS MIX									
Acrolein	2000	25	50	100	200	500	1000	2000	4000
Acrylonitrile	2000	25	50	100	200	500	1000	2000	4000
HEXANE/CYCLOHEXANE									
Hexane	200	2.5	5	10	20	50	100	200	400
Cyclohexane	200	2.5	5	10	20	50	100	200	400

Table 9						
Appendix IX Low-Level Solid Curve Recipe (5.0 g 10 mL purge)						
Calib Level	Concentration	Final Volume H2O	IS (250 µg/mL) Autospike	AP9 A (200-5000 µg,/mL)	AP9 B (200-5000 µg,/mL)	Acrolein (2000 µg/mL)
1	2.5	10 mL	1.0 uL	2.5 µL (a)		2.5 µL (b)
2	5	10 mL	1.0 uL	5 µL (a)		5 µL (b)
3	10	10 mL	1.0 uL	10 µL (a)		10 µL (b)
4	20	10 mL	1.0 uL	20 µL (a)		20 µL (b)
5	50	10 mL	1.0 uL	50 µL (a)		50 µL (b)
6 (ccv)	100	10 mL	1.0 uL	2.5 µL	2.5 µL	2.5 µL
7	200	10 mL	1.0 uL	5 µL	5 µL	5 µL
8	400	10 mL	1.0 uL	10 µL	10 µL	10 µL

(a) = 250µL of the A P9 A and AP9 B combined and diluted to 1.0 mL in MeOH.
(b) = 250 µL of the Acrolein standard diluted to 1.0 mL in water.l

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Table 10				
Internal Standards				
Internal Standard Component	Quantitation ion	Solution Concentration (µg/mL)	Concentration in Sample	
			Aqueous (ng/mL)	Soil (ng/g)
Aqueous and Medium Solids				
1,4-Difluorobenzene	114	50	10	500
Chlorobenzene-d5	117	50	10	500
1,4-Dichlorobenzene-d4	152	50	10	500
Low-Level Solids				
1,4-Difluorobenzene	114	500	--	50
Chlorobenzene-d5	117	500	--	50
1,4-Dichlorobenzene-d4	152	500	--	50

Table 11			
Surrogate Standards			
Surrogate Standard Component	Solution Concentration (µg/mL)	Concentration in Sample	
		Aqueous (ng/mL)	Soil (ng/g)
Aqueous and Medium Solids			
Dibromofluoromethane	100	20	1000
1,2-Dichloroethane-d_4	100	20	1000
Toluene-d_8	100	20	1000
4-Bromofluorobenzene	100	20	1000
Low-Level Solids			
Dibromofluoromethane	500	--	100
1,2-Dichloroethane-d_4	500	--	100
Toluene-d_8	500	--	100
4-Bromofluorobenzene	500	--	100

Table 12
LCS and MS/SD Spiking Components and Concentrations

Compound	Solution Concentration (ug/ml)	Spiking Level		
		Water (ug/L)	Low Soil (ug/kg)	Medium Soil (ug/kg)
Acetone	200	20	100	1000
Acetonitrile	200	20	100	1000
Acrolein	2000	200	1000	10,000
Acrylonitrile	2000	200	1000	10,000
Benzene (1)	200	20	100	1000
Bromobenzene	200	20	100	1000
Bromochloromethane	200	20	100	1000
Bromodichloromethane	200	20	100	1000
Bromoform	200	20	100	1000
Bromomethane	200	20	100	1000
t-Butanol	5050	500	2500	25,000
2-Butanone (MEK)	200	20	100	1000
n-Butylbenzene	200	20	100	1000
sec-Butylbenzene	200	20	100	1000
tert-Butylbenzene	200	20	100	1000
Carbon disulfide	200	20	100	1000
Carbon tetrachloride	200	20	100	1000
Chlorobenzene (1)	200	20	100	1000
Chloroprene	200	20	100	1000
Dibromochloromethane	200	20	100	1000
Chloroethane	200	20	100	1000
2-Chloroethyl vinyl ether	200	20	100	1000
Chloroform	200	20	100	1000
1-Chlorohexane	200	20	100	1000
Chloromethane	200	20	100	1000
Allyl chloride	200	20	100	1000
2-Chlorotoluene	200	20	100	1000
4-Chlorotoluene	200	20	100	1000
1,2-Dibromo-3-chloropropane (DBCP)	200	20	100	1000
1,2-Dibromoethane (EDB)	200	20	100	1000
Dibromomethane	200	20	100	1000
1,2-Dichlorobenzene	200	20	100	1000
1,3-Dichlorobenzene	200	20	100	1000
1,4-Dichlorobenzene	200	20	100	1000
trans-1,4-Dichloro-2-butene	200	20	100	1000
Dichlorodifluoromethane (Freon 12)	200	20	100	1000
1,1-Dichloroethane	200	20	100	1000
1,2-Dichloroethane	200	20	100	1000
cis-1,2-Dichloroethene	200	20	100	1000
trans-1,2-Dichloroethene	200	20	100	1000
1,1-Dichloroethene (1)	200	20	100	1000

Table 12
LCS and MS/SD Spiking Components and Concentrations

Compound	Solution Concentration (ug/ml)	Spiking Level		
		Water (ug/L)	Low Soil (ug/kg)	Medium Soil (ug/kg)
1,2-Dichloropropane	200	20	100	1000
1,3-Dichloropropane	200	20	100	1000
2,2-Dichloropropane	200	20	100	1000
cis-1,3-Dichloropropene	200	20	100	1000
trans-1,3-Dichloropropene	200	20	100	1000
1,1-Dichloropropene	200	20	100	1000
1,4-Dioxane	5000	500	2500	25,000
Tert-amyl methyl ether	200	20	100	1000
Tert-butyl ethyl ether	200	20	100	1000
Ethylbenzene	200	20	100	1000
Ethyl methacrylate	200	20	100	1000
Hexachlorobutadiene	200	20	100	1000
Hexane	200	20	100	1000
2-Hexanone	200	20	100	1000
Iodomethane	200	20	100	1000
Isobutyl alcohol	2000	500	2500	25,000
Isopropylbenzene	200	20	100	1000
Isopropyl ether	200	20	100	1000
p-Isopropyltoluene	200	20	100	1000
Methacrylonitrile	200	20	100	1000
Methylene chloride	200	20	100	1000
Methyl methacrylate	200	20	100	1000
4-Methyl-2-pentanone (MIBK)	200	20	100	1000
Methyl tert-butyl ether (MTBE)	200	20	100	1000
Naphthalene	200	20	100	1000
Propionitrile	200	20	100	1000
n-Propylbenzene	200	20	100	1000
Styrene	200	20	100	1000
1,1,1,2-Tetrachloroethane	200	20	100	1000
1,1,2,2-Tetrachloroethane	200	20	100	1000
Tetrachloroethene	200	20	100	1000
Toluene (1)	200	20	100	1000
1,2,3-Trichlorobenzene	200	20	100	1000
1,2,4-Trichlorobenzene	200	20	100	1000
1,1,1-Trichloroethane	200	20	100	1000
1,1,2-Trichloroethane	200	20	100	1000
Trichloroethene (1)	200	20	100	1000
Trichlorofluoromethane (Freon 11)	200	20	100	1000
1,2,3-Trichloropropane	200	20	100	1000
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200	20	100	1000
1,2,4-Trimethylbenzene	200	20	100	1000

Table 12
LCS and MS/SD Spiking Components and Concentrations

Compound	Solution Concentration (ug/ml)	Spiking Level		
		Water (ug/L)	Low Soil (ug/kg)	Medium Soil (ug/kg)
1,3,5-Trimethylbenzene	200	20	100	1000
Vinyl acetate	200	20	100	1000
Vinyl chloride	200	20	100	1000
m-Xylene & p-Xylene	200	40	200	2000
o-Xylene	200	20	100	1000

(1) Laboratory default control analytes.

Table 13
BFB Key Ion Abundance Criteria

Mass	Ion Abundance Criteria
50	15% to 40% of Mass 95
75	30% to 60% of Mass 95
95	Base Peak, 100% Relative Abundance
96	5% to 9% of Mass 95
173	Less Than 2% of Mass 174
174	Greater Than 50% of Mass 95
175	5% to 9% of Mass 174
176	Greater Than 95%, But Less Than 101% of Mass 174
177	5% to 9% of Mass 176

Table 14				
Characteristic ions				
Compound	Approximate Retention Time (min)	Primary[4]	Secondary	Tertiary
Internal Standards				
1,4-Difluorobenzene	7.467	114	63	88
Chlorobenzene-d5	12.395	117		
1,4 Dichlorobenzene-d4	16.908	152		
Surrogates				
1,2-Dichloroethane-d4 [1]	6.777	65	102	67
Toluene-d8	9.852	98	100	99
4-Bromofluorobenzene	14.642	95	174	176
Target Analytes				
Dichlorodifluoromethane (Freon 12)	1.810	85	87	50
Chloromethane	1.988	50	52	49
Vinyl chloride	2.086	62	64	
Bromomethane	2.411	94	96	93
Chloroethane	2.500	64	66	49
Trichlorofluoromethane (Freon 11) [1,2]	2.776	101	103	66
Acrolein [1,2]	3.229	56	55	
1,1-Dichloroethene [2]	3.338	96	61	98
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) [3]	3.357	101	151	103
Acetone [1,2]	3.397	43	58	
Iodomethane	3.495	142	127	
Carbon disulfide	3.584	76	78	44
Acetonitrile [1,2]	3.751	40	41	39
Allyl chloride	3.761	76	41	39
Methylene chloride	3.909	84	49	86
t-Butanol [3]	4.125	59	41	
Acrylonitrile	4.214	53	52	
trans-1,2-Dichloroethene	4.264	96	61	98
Methyl tert-butyl ether (MTBE) [3]	4.264	73	41	57
1,1-Dichloroethane	4.796	63	65	83
Vinyl acetate	4.905	43	86	44
Chloroprene [3]	4.924	53	88	
Isopropylbenzene [1,2]	4.933	45	87	43
Tert-butyl ethyl ether [3]	4.943	59	87	
2,2-Dichloropropane	5.595	77	41	97
cis-1,2-Dichloroethene	5.605	96	61	98
2-Butanone (MEK) [1,2,5]	5.634	43	72	57
Propionitrile	5.762	54	55	
Methacrylonitrile	5.929	41	39	67
Bromochloromethane	5.930	128	49	130
Tetrahydrofuran [3]	6.066	42	41	72
Chloroform	6.068	83	85	47

Table 14				
Characteristic ions				
Compound	Approximate Retention Time (min)	Primary[4]	Secondary	Tertiary
1,1,1-Trichloroethane	6.324	97	61	99
1,1-Dichloropropene [2]	6.561	75	39	110
Carbon tetrachloride	6.570	117	119	121
Isobutyl alcohol	6.865	43	74	
Benzene	6.866	78	77	
1,2-Dichloroethane	6.896	62	64	98
Tert-amyl methyl ether [3]	7.091	73	45	
Trichloroethene	7.871	95	130	132
1,2-Dichloropropane [2]	8.207	63	62	64
Dibromomethane	8.394	93	174	172
Methyl methacrylate [1,2]	8.462	41	69	
1,4-Dioxane	8.482	88	58	
Bromodichloromethane [2]	8.670	83	85	47
2-Chloroethyl vinyl ether [2]	9.202	63	106	43
cis-1,3-Dichloropropene [2]	9.419	75	77	110
4-Methyl-2-pentanone (MIBK) [1,2]	9.705	43	58	100
Toluene	9.961	92	91	65
trans-1,3-Dichloropropene [2]	10.375	75	77	110
Ethyl methacrylate	10.611	69	41	
1,1,2-Trichloroethane [1,2]	10.680	97	83	99
Tetrachloroethene [1,2]	10.917	166	164	129
1,3-Dichloropropane	10.976	76	78	
2-Hexanone	11.203	43	58	100
Dibromochloromethane	11.360	129	127	208
1,2-Dibromoethane (EDB)	11.538	107	109	
Chlorobenzene	12.454	112	77	114
1-Chlorohexane [3]	12.484	91	41	55
1,1,1,2-Tetrachloroethane [2]	12.622	131	133	117
Ethylbenzene [1,2]	12.691	106	91	51
m-Xylene & p-Xylene	12.908	106	91	105
o-Xylene	13.647	106	91	
Styrene	13.676	104	103	78
Bromoform [2]	14.002	173	171	175
Isopropyl ether [3]	14.386	105	120	77
Bromobenzene [2]	14.899	156	77	58
1,1,2,2-Tetrachloroethane [2]	14.987	83	85	95
1,2,3-Trichloropropane [2]	15.027	75	110	112
trans-1,4-Dichloro-2-butene [1,2]	15.105	89	75	53
n-Propylbenzene	15.184	91	120	
2-Chlorotoluene	15.303	91	126	63
4-Chlorotoluene	15.529	91	126	63
1,3,5-Trimethylbenzene	15.559	105	120	

Table 14				
Characteristic ions				
Compound	Approximate Retention Time (min)	Primary[4]	Secondary	Tertiary
tert-Butylbenzene	16.170	119	91	
1,2,4-Trimethylbenzene	16.278	105	120	
sec-Butylbenzene	16.623	105	134	91
1,3-Dichlorobenzene	16.781	146	148	111
p-Isopropyltoluene	16.939	119	91	134
1,4-Dichlorobenzene	16.958	146	148	111
1,2-Dichlorobenzene	17.688	146	148	111
n-Butylbenzene	17.757	91	92	134
1,2-Dibromo-3-chloropropane (DBCP)	19.255	75	157	155
1,2,4-Trichlorobenzene [2]	20.516	180	182	184
Hexachlorobutadiene	20.773	225	227	223
Naphthalene	20.812	128	51	
1,2,3-Trichlorobenzene [2]	21.108	180	182	184
Hexane				

[1] Primary ion differs from Method 8260B, Table 5.

[2] Confirmation ions differ from Method 8260B, Table 5.

[3] Characteristic ions for this analyte are not listed in Method 8260B, Table 5.

[4] The primary ion should be used for quantitation unless interferences are present, in which case a secondary ion may be used.

[5] m/z 43 may be used for quantitation of 2-Butanone, but m/z 72 must be present for positive identification.

Table 15	
Suggested Instrumental Conditions	
Electron Energy	70 volts (nominal)
Mass Range	35-350 amu
Scan Time	To give at least 5 scans/peak but not to exceed 2 sec/scan
Initial Column Temperature/Hold Time	35°C for 2.0 minutes
Column Temperature Program	35 - 200°C at 15°C/min.
Injector Temperature	220°C
Transfer Line Temperature	150°C
Source Temperature	200°C
GC Carrier Gas	Helium at 37 cm/sec
Purge Gas/Flow	Helium at 40 ml/min
Purge Time/Temperature	11 min at 35°C (Soils) 11 min at 35°C (Waters)
Purging Temperature	35°C
Trap Desorb Time/Temperature	0.5 min at 190 °C
Trap Bake Time/Temperature	7 min at 210 °C

1. SCOPE AND APPLICATION

1.1. This method describes sample preparation and extraction for the analysis of volatile petroleum hydrocarbons. The procedures used for the petroleum hydrocarbons are based on SW-846, California LUFT, ADEC, and NWTPH methodology. Refer to Table A1 for the individual analytes normally determined by these procedures.

1.2. Compounds within the scope of this method have boiling points below 200°C and are soluble or slightly soluble in water. Classes of compounds best suited to purge-and-trap analysis include low molecular weight halogenated hydrocarbons, aromatics, ketones, nitriles, acetates, acrylates, ethers, and sulfides.

1.3. Water samples and soil samples with low levels of contamination may be analyzed directly by purge-and-trap extraction and gas chromatography. Higher concentrations of these analytes in soil may be determined by the medium level methanol extraction procedure.

2. SUMMARY OF METHOD

Refer to Section 2 of the main body of this SOP for a summary of the method.

3. DEFINITIONS

Refer to Section 3 of the main body of this SOP for a summary of the method.

4. INTERFERENCES

Refer to Section 4 of the main body of this SOP for interferences.

5. SAFETY

Refer to Section 5 of the main body of this SOP for Safety Information.

6. EQUIPMENT AND SUPPLIES

Refer to Section 6 of the main body of this SOP for equipment and supplies.

7. REAGENTS AND STANDARDS

7.1. Refer to Section 7 of the main body of this SOP for reagents and standards as well. The information below is specific to hydrocarbon analysis only.

7.2. Neat Standard Materials

Occasionally, hydrocarbon fuels are not available as stock solutions from commercial vendors. In these instances, neat materials may be acquired directly from the client.

Such neat materials expire following a period of 3 years from the date of receipt, or sooner if problems such as pattern degradation or linearity loss occur.

7.3. Stock Standards

Stock standards are purchased as certified solutions or prepared from pure solutions. Stock standards for petroleum hydrocarbons are stored at -10 to -20°C. Other stock standard solutions are stored at 4 ± 2ºC. All stock standards must be protected from light. Stock standard solutions should be brought to room temperature before using.

Stock standards must be replaced at least every 6 months (from the time of preparation, if prepared in house, or from the time the ampule is opened if purchased), or the manufacturer's expiration date, whichever is sooner. Stocks may be replaced sooner if comparison with check standards prepared from an independent source indicates a problem.

7.4. Calibration standards are prepared by injecting a measured volume of the stock standard into a syringe containing the appropriate volume of organic free water. The calibration standard is then loaded into the purge device.

7.5. Gasoline Standards

Due to the differences between fuels available in California (RFG, or Reformulated Gasoline) and those in the rest of the United States, it is recommended that a commercially available composite gasoline standard be used. (Example: XHc Unleaded gasoline composite standard, #30205 from Restek Corp).

8. SAMPLE PRESERVATION AND STORAGE

See Section 8 of the main body of this SOP for information regarding sample preservation and storage. Some state requirements, e.g., ADEC or NWTPH, may require that only field methanol-preserved samples are acceptable.

9. QUALITY CONTROL

9.1. Refer to Section 9 of the main body of this SOP for general quality control requirements.

9.2. For Method AK 101 prepare and analyze an LCS Duplicate sample as well as an LCS sample for each component of interest (GRO, BTEX) for each analytical batch.

9.3. The surrogate compound for pre-preserved medium level (methanol) soils is a,a,a-triflourotoluene. When this compound is used, the instrument is calibrated with it as well, so that recoveries can be accurately calculated.

10. CALIBRATION AND STANDARDIZATION

10.1. Refer to the main body of this SOP for additional calibration information. Note that surrogates are calculated using Method 8260 and specific ion fragments.

10.2. External calibration is used. Prepare standards containing each analyte of interest at a minimum of five concentration levels. The low level standard should be at or below the reporting limit. The other standards define the working range of the detector. Recommended calibration levels are given Tables A7 and A8.

10.3. Quantitation by the external standard method assumes a proportional relationship between the calibration run and the analyte in the sample. To use this approach, introduce each calibration standard into the GC/MS using the technique that will be used for samples. The ratio of the peak response to the mass or concentration injected may be used to prepare a calibration curve. Peak response is generally measured as the area of the peak.

Equation A 1

$$Calibration\ Factor\ (CF) = \frac{Area\ \ of\ \ Peak(s)}{Concentration\ of\ \ Standard\ (ng/ml\ or\ ug/ml)}$$

10.4. Calibration curve fits

Average response factor, linear regression, or quadratic curves may be used to fit the data. Average response factor may be used if the % RSD of the response factor or calibration factor of each analyte is ≤ 20%. If an analyte exceeds the criteria, then a regression line (linear or curved) may be attempted.

10.4.1. In general, for environmental analysis, average response factors are the most appropriate calibration model. Linear or curved regression fits should only be used if the analyst has reason to believe that the average RF model does not fit the **normal** concentration/response behavior of the detector.

10.4.2. Average response factor

The average response factor may be used if the average percent relative standard deviation (%RSD) of all the response factors taken together is ≤ 20%. The equation for average response factor is:

Equation A2

$$Average\ response\ factor = \overline{RF} = \frac{\sum_{i=1}^{n} RF_i}{n}$$

Where: n = Number of calibration levels

$\sum_{i=1}^{n} RF_i$ = Sum of response factors for each calibration level

10.4.3. Linear regression

The linear fit uses the following function:

Equation A3

$$x = \frac{(y - b)}{a}$$

Where: y = Instrument response
x = Concentration
a = Slope
b = Intercept

10.4.4. Quadratic curve

The quadratic curve uses the following function:

Equation A4

$$x = \frac{-b + \sqrt{b^2 - 4a(c - y)}}{2a}$$

Where: x = concentration
y = instrument response
a = 2nd order coefficient (curvature)
b = 1st order coefficient (slope)
c = constant (intercept)

10.5. Evaluation of calibration curves

The %RSD from the calibration curve is used to evaluate the initial calibration. If a regression line is used, the coefficient of determination (r2) shall be greater than or equal to 0.990, or the correlation coefficient (r) shall be greater than or equal to 0.995, whichever is appropriate to the regression fit used.

10.6. The following requirements must be met for any calibration to be used:

- Response must increase with increasing concentration.
- If a curve is used, the intercept of the curve at zero response should be less than ± ½ the reporting limit for the analyte.
- The RSD for average response factors for each component must be ≤ 20%.
- When RSD is inappropriate, either the correlation coefficient (r) must be ≥ 0.995, or the coefficient of determination (r^2) must be ≥ 0.990.

10.7. Initial Calibration (ICAL)

10.7.1. Analyze an ICV with the calibration curve. This verification standard is used as a quality control check to verify the accuracy of the calibration.

10.7.2. Low level soil samples must be purged at 50ºC; therefore the calibration curve

must also be purged at 50ºC.

10.7.3. A separate calibration, purged at ambient temperature, must be used for aqueous samples. The aqueous calibration may be used for methanolic soil extracts.

10.7.4. Calibrate the instrument using the same volume that will be used during sample analysis.

10.7.5. At the beginning of each initial calibration curve for gasoline or other hydrocarbon fuel mixtures, a carbon range standard is run to determine start and end points for the peak summing range for the mixture.

10.7.5.1. See Table A10 for details of this carbon range standard.

10.7.5.2. See Section 10.13 for setting the peak summing range.

10.7.5.3. As this mixture is used for setting retention times based on the total ion chromatogram, it may be analyzed prior to the BFB required before sample analysis.

10.7.6. Quantitating hydrocarbon mixtures:

Starting and ending retention times for quantitation are determined for each fuel. The peak areas between the starting and ending times are summed and used to generate a response factor. This factor is used to quantitate sample results, and depending on the client requirements, this factor may be applied to the same retention range as the standard, or to a different range.

10.8. Integration

10.8.1. When evaluating the initial calibration, also evaluate hydrocarbon pattern integration.

10.8.1.1. The integrated peaks should run from the point in the chromatogram prior to peaks to a region following the mixture's peaks in a fairly straight line.

10.8.2. The default integration parameters generated as a result of evaluating the initial calibration should remain in effect until the initial calibration is reanalyzed.

10.9. Initial Calibration Verification (ICV) -- When available, a second source standard is analyzed with the initial calibration curve. Each compound of the second source calibration must be within ± 15% of its expected value, when evaluated with respect to the calibration curve. Corrective actions for the ICV include:

- Rerun the ICV
- Remake or acquire a new ICV
- Evaluate the instrument conditions
- Evaluate the Initial Calibration Standards

10.10. Continuing Calibration Verification (CCV)

10.10.1. Refer to Table A9 for the preparation of CCV standard(s).

10.10.2. The working calibration curve or RF must be verified by the analysis of a mid point calibration standard at the beginning, and at the end of every 12 hour analysis sequence. The mid-level calibration standard used at the start of the analysis must be a different concentration than the mid-level calibration standard used for subsequent calibration verifications. Recommended concentrations are noted in Table A9. Because this standard is evaluated using the total ion chromatogram, rather than specific ion fragments, it may be analyzed after the 12 hours following the BFB tune has expired.

10.10.3. The petroleum hydrocarbon elution profile is compared to the initial calibration to verify that shifting has not occurred since initial calibration. If an alkane range standard has been analyzed, it is checked to verify that shifting has not occurred since the retention time windows for the petroleum hydrocarbon were set.

10.10.4. Any individual compound with %D ≤ 15% meets the calibration criteria.

10.10.5. It is not necessary to run a calibration verification standard at the beginning of the sequence if samples are analyzed immediately after the completion of the initial calibration and second source standard.

10.10.6. If the analyst notes that a CCV has failed and can document the reason for failure (e.g. no purge, broken vial, carryover from the previous sample, etc.) then a second CCV may be analyzed without any adjustments to the instrument. If this CCV meets criteria, then the preceding samples have been successfully bracketed. If adjustments to the instrument are performed before the repeat CCV, then the preceding samples have not been successfully bracketed but analysis may continue.

10.10.7. In general, it is not advisable to analyze repeat CCVs on unattended runs. If repeat CCVs are analyzed, then the first will serve as the bracketing standard for the preceding samples and the last will serve as the CCV for the following samples.

10.10.8. If highly contaminated samples are expected, it is acceptable to analyze blanks

or primers at any point in the run.

10.10.9. % Difference is calculated as follows:

Equation A5

$$\%\ Difference = \frac{|\ Expected\ value - Calculated\ value\ |}{Expected\ value} \times 100\%$$

10.10.10. Corrective Actions for Continuing Calibration

If the %D for each analyte of concern is greater than 15%, corrective action must be taken. This may include clipping the column, changing the liner or other minor instrument adjustments, followed by reanalyzing the standard. If the %D still varies by more than + 15%, a new calibration curve must be prepared.

10.10.11. Corrective Action for Samples

Any samples injected after the last good continuing calibration standard must be reinjected, unless one of the following conditions is satisfied:

10.10.11.1. If the CCV response is elevated and the preceding samples are non-detect for all analytes of concern, an NCM may be filed and the data reported.

10.10.11.2. If the samples have already been analyzed twice, and it is apparent that matrix effects are causing the out of control event, an NCM may be filed and the data reported.

10.11. Non-standard analytes are sometimes requested. In the case of these fuels, it may be acceptable to analyze a single standard for pattern identification daily, rather than a five point initial calibration, provided that the QA department and the client agree with this strategy.

10.11.1. Positives which match the pattern of the non-standard analyte may be quantitated based on a standard reference if the elution range is similar and the client agrees to this. In this instance, “unknown hydrocarbons” are quantitated based on the default material for the fraction (e.g., diesel, motor oil, or gasoline, based on elution range).

10.11.2. Otherwise, a five-point initial calibration must be run and samples with positives must be reanalyzed for quantitation. If the analyte is not detected, the non-detect may be reported and no further action is necessary.

10.12. Retention Time Windows

Because multiple peak hydrocarbon mixtures are quantitated based on the total area between two retention times, the retention time windows that are generated are also used to determine the times used for area summing.

Retention time windows must be determined for each hydrocarbon mixture to be analyzed.

10.12.1. Make an injection of the alkane range standards once per day over a three day (72 hour) period. Calculate and tabulate the standard deviation of the three retention times for each peak in the mixture. Plus or minus three times the standard deviation of the retention times of each analyte defines the retention time window.

10.12.2. Hydrocarbon mixture summing windows are the first peak minus three times the standard deviation for that peak to the last peak plus three times the standard deviation for that peak. For example, for a fuel quantitated between n-C10 and n-C24, the peak summing window is from the retention time for n-C10 minus three times the standard deviation for n-C10 to the retention time for n-C24 plus three times the standard deviation for n-C24.

10.12.3. For mixtures which use an alkane which is not present in the carbon range reference, the retention time of the alkane may be determined by linear extrapolation, and the retention time window of the alkane following the one not present may be used to set peak summing windows. An example of this instance is JP-4 in the extractable hydrocarbons test, which uses n-C13 as the end of the summing window.

10.12.4. Linear Interpolation of Retention Times

Equation A6

$$RT_{Int} = RT_{Earlier} + \frac{(RT_{Later} - RT_{Earlier})}{2}$$

Where: RT_{Int} = Interpolated Retention Time (for n-C13 in the example above)
$RT_{Earlier}$ = Retention Time of earlier peak (for n-C12 in the example above)
RT_{Later} = Retention Time of later peak (for n-C14 in the example above)

10.12.5. The center of the retention time window is the retention time from the last of the three standards. The centers of the windows for the alkane range peaks are updated with the alkane range that is run with new initial calibrations. The widths of the windows will remain the same until new windows are generated following the installation of a new column.

10.12.5.1. Retention time windows for hydrocarbon mixtures are updated at the same time as those for the alkane peaks.

10.12.5.2. If an alkane range is not run with the initial calibration, retention times and summing windows may not be updated.

10.12.6. If the retention time window for an alkane peak calculated above is less than ± 0.03 minutes, use ± 0.03 minutes as the retention time window.

10.12.7. The laboratory must calculate new retention time windows each time a new column is installed. The new windows must be generated within one week of the installation of the new column. Because quantitation of hydrocarbon mixtures is dependent on the peak summing window, calibration data evaluation and sample analysis cannot continue until the alkane retention time windows are established.

10.12.8. Corrective Action for Retention Times

Because quantitation of fuels is based on the total area between two set retention times, each fuel standard's elution profile (peak pattern with respect to retention times denoting start and end of quantitation) in each continuing calibration must be similar to the profile at the time of initial calibration. If this condition is not met, all samples analyzed after the last compliant standard must be reanalyzed.

10.12.8.1. Compare elution profiles by utilizing the data system's capability to overlay chromatograms on-screen, and overlay the mid-level standard from the calibration curve with the daily calibration.

10.12.8.2. Alternatively, compare elution profiles by overlaying hard-copy chromatograms that are at the same scale, and comparing them.

10.12.8.3. Certain methods may require that the alkane standard be run prior to each analytical batch, and that retention times for this standard are evaluated.

Note: *When exaggerated shifting of surrogate compounds occurs in samples, quantitation of any fuel mixture, unknown or otherwise, is likely to be adversely affected. Typically, such retention time shifting will be a result of instrument gas leaks, poor temperature control at the instrument, or poor laboratory temperature control. It is highly recommended that the cause is determined and samples reanalyzed when retention time shifting occurs.*

10.13. Daily Retention Time Windows

The center of the retention time windows determined in Section 11.6 is adjusted to the retention time of each analyte as determined in the CCVs. The retention time windows must be updated at the beginning of each analytical sequence and with each CCV.

11. PROCEDURE

11.1. Refer to Section 11 of the main body of this SOP for information regarding sample preparation and other procedures. Procedures specific to hydrocarbon analysis are presented below.

11.2. Analytical Sequence

11.2.1. Each GC/MS system must be hardware-tuned to meet the abundance criteria listed in Table 15 of the main body of this SOP for a 50 ng injection of BFB (1 uL of a 50ng/uL standard). Analysis must not begin until these criteria are met. These criteria must be met for each twelve-hour time period. The twelve-hour time period begins at the moment of injection of BFB.

11.2.2. After the BFB, the analytical sequence starts with an ICAL of at least five points, or a CCV that meets %D criteria from an existing ICAL.

11.2.3. A CCV must be analyzed at least once every 12 hours when samples are being analyzed, and at the end of the sequence. If there is a break in the analytical sequence of greater than 12 hours, then a new CCV (and BFB) run must be analyzed before proceeding with the sequence.

11.2.4. A CCV consists of mid-level standards for analytes of interest. Elution profiles of the hydrocarbon mixtures are compared back to the initial calibration to verify the retention ranges.

11.2.4.1. A CCV for Method AK101.0 (State of Alaska) analysis includes analysis of the alkane range standard to verify retention times as well.

11.2.5. After every 20 samples (including QC and instrument blanks), or 12 hours from the time of the opening CCV, whichever is more frequent, a continuing calibration is analyzed. The continuing calibration consists of a mid-level standard differing in concentration from the opening CCV of all petroleum hydrocarbons of interest.

11.3. Low-Level Solids Analysis -- Refer to the main body of this SOP for specifics of low-level solids analysis.

11.3.1. This method may not be used for samples analyzed to support Alaska or Washington State soil investigations.

12. CALCULATIONS/DATA REDUCTION

12.1. Refer to Section 12 of the main body of this SOP for general information regarding data analysis and calculations.

12.2. Qualitative Identification

For fuels (multicomponent analytes), identification occurs when a peak pattern matching the reference standard is found within the elution window for a fuel, at a concentration above the reporting limit, or above the MDL if J flags are required. If the peaks present in the chromatogram elute within the time window of the reference fuel, but the pattern does not match the reference fuel, then the material is determined to be an "Unknown Hydrocarbon" and will be reported accordingly. See the method appendices for further information regarding fuel identification and reporting.

12.2.1. "J" values for Unknown Hydrocarbons

Typically, unknown hydrocarbons are not reported as "J" values, or values below the reporting limit. This is because "Unknown Hydrocarbons" is a category which can both describe fuels too degraded to identify, as well as biologic by-products and other contaminants. Any quantitation of an unknown hydrocarbon is an estimate, as no true reference exists.

12.2.2. The experience of the analyst should weigh heavily in the interpretation of the chromatogram. For example, sample matrix or laboratory temperature fluctuation may result in variation of retention times.

12.2.3. Criteria for determining Gasoline, degraded Gasoline, and Unknown Hydrocarbons:

Presence of BTEX compounds. Native gasoline has a very high BTEX content, and degraded materials typically exhibit this as well. If the sample has been analyzed for BTEX as well as gasoline, the presence and concentration of BTEX relative to the concentration of the hydrocarbon material is a good indicator of gasoline vs. unknown hydrocarbon.

12.2.4. Reporting for ADEC Method AK101.0 (Alaska-GRO)

No "unknown hydrocarbon" is reported for this method. All peak areas between the start of n-C06 and the start of n-C10 are summed. A concentration is calculated, and the results are reported as "Gasoline Range Organics" (GRO).

12.3. Gasoline is quantitated using the area between two marker peaks as specified in Table A2. Because the methanol solvent peak appears in the chromatogram, it is not advisable to sum the entire chromatogram.

12.4. Calculating the "on-column" amount in an unknown sample using Average RRF:

Equation A7

$$C_X = \frac{A_X}{\overline{RF}}$$

Where: A_X = Area of the total ion chromatogram for the compound to be measured
C_X = Concentration of the compound being measured, ng/mL
$\overline{RF}$ = Average response factor of the compound.

12.5. Calculating the "on-column" amount in an unknown sample using a linear fit, not forced through zero. (Based on the "Target" data system).

Equation A8

$$C_X = b + \frac{A_X}{m1}$$

Where: A_X = Area of the total ion chromatogram for the compound to be measured
C_X = Concentration of the compound being measured, ng/mL
b = Constant as calculated by Target
$m1$ = First degree factor, as calculated by Target

12.6. Calculate results in samples as in Section 12 of the main portion of this SOP.

13. METHOD PERFORMANCE

Refer to Section 13 of the main body of this SOP for method performance criteria.

14. POLLUTION CONTROL

Refer to Section 14 of the main body of this SOP for information relating to pollution control.

15. WASTE MANAGEMENT

Refer to Section 15 of the main body of this SOP for information relating to waste management.

16. REFERENCES/CROSS REFERENCES

16.1. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, Final Update III, December 1996, Sections 5000, 5030B, 5035, 8000B, and 8015B.

16.2. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, March 2003, Section 8000C.

16.3. Leaking Underground Fuel Tank Field Manual, State of California, October, 1989

16.4. Underground Storage Tanks Procedures Manual, Alaska Department of Environmental Conservation, December, 10, 1998; Appendix D

16.5. Alaska Department of Environmental Conservation, March 1999; Method AK101.0

16.6. Analytical Methods for Petroleum Hydrocarbons, Washington State Department of Ecology, June 1997, Method NWTPH-Gx

17. METHOD MODIFICATIONS

17.1. Chapter 1 of SW-846 states that the method blank should not contain any analyte of interest at or above the Method Detection Limit. This SOP states that the method blank must not contain any analyte of interest at or above the reporting limit.

17.2. This method is performed on a GC/MS, with surrogate values calculated using Method 8260B, and the TPH values calculated using the total area chromatogram. All of the reference methods (CA LUFT, Method 8015B, AK101, and NWTPH-Gx) are based on GC-FID as the detector and the limitations thereof.

17.3. The California LUFT Manual (October, 1989) recommended DHS Analytical Methods indicate that a 3 point calibration is sufficient. However, as many clients default to SW-846, this method defaults to the more stringent SW-846 criterion.

17.4. The California LUFT Manual (October, 1989) recommended DHS Analytical Methods require a 10%D criterion on continuing calibration standard. However, as many clients default to SW-846, this method defaults to the SW-846 criterion. It is believed that since this lab follows SW-846 criteria, and the DHS method is recommended, the 15%D criteria is sufficient to meet data quality objectives.

17.5. ADEC methodology specifies that semivolatile stock standards expire after 6 months, West Sacramento policy and this SOP state that such standards expire after 1 year.

17.6. ADEC methodology specifies that standards and extracts are stored at –10 to –20°C. This SOP used 4 ± 2°C as the requirement. This temperature range is consistent with other SOPs at this facility.

17.7. NWPTH methodology specifies a linear regression curve fit which is evaluated through the correlation coefficient. This facility defaults to average response factor calibration, and evaluates it through the %RSD. Linear regression curve fits, while permitted in the SOP, are not commonly utilized.

17.8. ADEC methodology specifies a ≤ 25% RSD criterion for evaluating calibration curves. This SOP defaults to the more stringent SW846 criterion of ≤ 20% RSD.

17.9. ADEC methodology specifies a ≤ 25% difference criterion for the 12 hour calibration. This SOP defaults to the more stringent SW846 criterion of ≤ 15% difference.

17.10. Purge volumes greater than 5 mL (up to 25 mL) may be used as required to meet reporting limits.

17.11. The shutoff valve for the sample-measuring syringe has been omitted.

17.12. The use of a soil aliquot between 1 g and 5 g is allowed if performance criteria are met.

17.13. The method has been extended to include the use of VOA vial sampling purge and trap autosamplers.

17.14. A composite gasoline standard available from an outside vendor is recommended, rather than the gasoline composite mixtures cited in the reference methods for NWTPH-Gx.

17.15. To comply with the NWTPH-Gx (State of Washington) methodology, a correction factor must be applied to compensate for the mass of oxygenated components present in any oxygenated fuels used for the composite. Contact the vendor to obtain this value.

17.16. Method 5035 states that calibration standards for low-level solids preserved with sodium bisulfate should also have sodium bisulfate present, at approximately the same levels, in order to compensate for the effects of the preservative on analyte purgeability. At this time, West Sacramento does not use different calibration curves for solids preserved with sodium bisulfate. All solid calibration curves omit the sodium bisulfate.

17.17. Modified purge temperature in Section 10.7.2 from 40°C to 50°C

18. ATTACHMENTS

18.1. Table A1 – Standard Analyte List

18.2. Table A2 – Volatile Petroleum Hydrocarbon Quantitation Ranges.

18.3. Table A3 – Composition and Concentration of Standard Solutions

18.4. Table A4 – LCS/MS/SD Concentrations for Aqueous Samples

18.5. Table A5 – LCS/MS/SD Concentrations for Low-Level Solid Samples

18.6. Table A6 – LCS/MS/SD Concentrations for Medium-Level Solid Samples

18.7. Table A7 – Aqueous and Medium-Level Solid Calibration Standard Concentrations (ug/L)

18.8. Table A8 – Low-Level Solid Calibration Standard Concentrations (ug/kg)

18.9. Table A9 – Calibration Standard Recipes (ICAL and CCV Standards)

18.10. Table A10 – Alkane Range Standard (5 uL spiked into 5 mL)

18.11. Table A11 – Initial Demonstration Limits

18.12. Table A12 – AK101 Recovery Requirements

Table A1

Standard Analyte List

Compound	CAS Number	Reporting Limit, ug/L or ug/kg		
		Aqueous	Low Soil	Medium Soil
Gasoline 39-4	0-0	50	500	5000
Gasoline Range Organics (GRO)	NA	50	500	5000

Table A2

Volatile Petroleum Hydrocarbon Quantitation Ranges.

Regulatory Method	Quantitation Range	
Start		End
Method 8015B	2-methylpentane	1,2,4-Trimethylbenzene
CA-LUFT n-C07		n-C12
NWTPH-Gx[1] toluene		naphthalene
AK101.0[2] n-C06		n-C10

[1] *The method specifies that the peak summing window must include the specified peaks at a minimum. The range may extend before toluene and after naphthalene if that seems reasonable after examining the fuel pattern.*

[2] *The method specifies that the peak summing window must start at the start of the n-C06 peak and end at the start of the n-C10 peak.*

Table A3 **Composition and Concentration of Standard Solutions**		
Components	Low-Level Working Solution Concentration, ug/mL	Medium-Level Working Solution Concentration, ug/mL
Gasoline 1000		50000

Note: "Low-Level" working solution is used for aqueous, low-level solid, and calibration standard spiking. The "Medium-Level" working solution is used for spiking medium-level samples and samples preserved with methanol.
Refer to the main body of this SOP for surrogate details.

Table A4 **LCS/MS/SD Concentrations for Aqueous Samples**			
Low-Level Solution	Working Solution ug/mL	Spike amount uL (into VOA vial)	Final concentration ug/L
Gasoline 1000		21.5	500

Refer to the main body of this SOP for surrogate details.

Table A5 **LCS/MS/SD Concentrations for Low-Level Solid Samples**			
Low-Level Solution	Working Solution ug/mL	Spike amount uL (onto 5g solid with 10 mL water)	Final concentration ug/kg
Gasoline 1000		5.0	1000

Refer to the main body of this SOP for surrogate details.

Table A6 **LCS/MS/SD Concentrations for Medium-Level Solid Samples**			
Medium-Level Solution	Working Solution ug/mL	Spike amount uL (onto 5g solid with 5 mL MeOH)	Final concentration Ug/kg
Gasoline 50,000		5.0	50,000

Refer to the main body of this SOP for surrogate details.

Table A7								
Aqueous and Medium-Level Solid Calibration Standard Concentrations (ug/L)								
Component	1	2 3		4 5		6 7		8
Gasoline (Aq)	50	100	500[1]	1,000 2,500		5,000 7,500		10,000
Gasoline (Soi)	50	100	500	1,000	2,500	5,000	10,000	25,000

[1] *Designates the mid-level standard concentration used for the ICV and CCVs following the initial CCV of a sequence.*

Refer to the main body of this SOP for surrogate details.

Table A8								
Low-Level Solid Calibration Standard Concentrations (ug/kg)								
Component	1	2	3 4		5 6		7	8
Gasoline 50		100	500[1] 1000		2500	5000	7500	--

[1] *Designates the mid-level standard concentration used for the ICV and CCVs following the initial CCV of a sequence.*

Refer to the main body of this SOP for surrogate details.

Table A9									
Calibration Standard Recipes (ICAL and CCV Standards)									
Component	Solution Conc. ug/mL	1	2 3		4	5 6		7	8
Aqueous and Medium-Level Solid Samples (uL, Spiked into 100 mL)									
Gasoline 1000		25[1] 50		[1] 25	[2] 50	125	250	375	--
Low-level Solid Samples (uL, Spiked into 100 mL, 10 ml is 5g equivalent)									
Gasoline 1000		2.5[1] 5.0		[1] 2.5	[2] 5.0	12.5	25.0	37.5	--

[1] *The Gasoline standard is a 1:10 dilution of the working 1000ug/mL standard*

[2] *This is the recipe for the CCV standard as well.*

Refer to the main body of this SOP for surrogate details.

Table A10		
Alkane Range Standard (5 uL spiked into 5 mL)		
Components	Working Solution ug/mL	Final Concentration ug/L
n-C06 (hexane)	10	10
n-C07 (heptane)	10	10
2-Methylpentane 10		10
n-C10 (decane)	10	10
n-C12 (dodecane)	10	10
Naphthalene 10		10
1,2,4-Trimethylbenzene 10		10

Table A11		
Initial Demonstration Limits		
Analyte	Initial Demonstration Recovery Limits, %	Initial Demonstration RSD Limits, %
Gasoline 70-1	30	25
Additional Fuels	70-130	25

Table A12	
AK101 Recovery Requirements	
Requirement C	riteria
Surrogate recovery in samples	50-150%
Surrogate recovery in CCV, LCS/D	60-120%
LCS Recovery	60-120%
LCS/LCSD RPD	less than or equal to 20%

Title: GC/MS Analysis Based on Method 8270C [Method 8270C]

Approvals (Signature/Date):

David Allameh Technical Manager	6/22/10 Date	Joe Schairer Health & Safety Manager / Coordinator	7/7/2010 Date
Douglas Weir Quality Assurance Manager	08/06/10 Date	Karla Buechler Laboratory Director	8/9/10 Date

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1. SCOPE AND APPLICATION

1.1. This method is based upon methods SW846 8270C and TO-13A, and is applicable to the determination of the concentration of semivolatile organic compounds in extracts prepared from solid, aqueous, and air matrices. Direct injection of a sample may be used in limited applications. Refer to Table 1 for the list of compounds applicable for this method. Additional compounds may be amenable to this method. Refer to Section 4 for problematic analytes. If non-standard analytes are required, they must be validated by the procedures described in Section 13 before sample analysis.

1.2. The standard reporting limit (SRL) of this method for determining an individual compound is approximately 0.33 mg/kg (wet weight) for soil/sediment samples, 1 - 200 mg/kg for wastes (dependent on matrix and method of preparation), and 10 µg/L for groundwater samples. Some compounds have higher reporting limits. Refer to Table 1 for specific SRLs. Reporting limits will be proportionately higher for sample extracts that require dilution.

1.3. When undertaking projects for Department of Defense (DoD) the relevant criteria in QA Policy WS-PQA-021 "DoD QSM and AFCEE QAPP Implementation" must be checked and incorporated.

2. SUMMARY OF METHOD

2.1. Aqueous samples are extracted with methylene chloride using a separatory funnel, or a continuous extractor. Solid samples are extracted with methylene chloride/acetone using either sonication, or Soxhlet extraction. Waste dilution is used for samples that are miscible with the solvent. Air filter and absorbent cartridges are extracted by Soxhlet. The extract is dried, concentrated to a volume of 1 mL, and analyzed by GC/MS. Extraction procedures are detailed in WS-OP-0001 for aqueous, soil and waste, and in WS-OP-0006 for air matrices.

2.2. Qualitative identification of the parameters in the extract is performed using the retention time and the relative abundance of characteristic ions. Quantitative analysis is performed using the internal standard technique with a single characteristic ion.

3. DEFINITIONS

3.1. CCC (Calibration Check Compounds) - A subset of target compounds used to evaluate the calibration stability of the GC/MS system. A maximum percent deviation of the CCC's is specified for calibration acceptance.

3.2. SPCC (System Performance Check Compounds) - Target compounds designated to

monitor chromatographic performance, sensitivity, and compound instability or degradation on active sites. Minimum response factors are specified for acceptable performance.

3.3. Definitions of terms used in this SOP may be found in the glossary of the Quality Assurance Manual (QAM).

3.4. Data qualifiers are defined on each data report. Commonly used data qualifiers are defined in the QAM.

4. INTERFERENCES

4.1. Method interferences may be caused by contaminants in solvents, reagents, glassware, and other processing apparatus that lead to discrete artifacts. All of these materials must be routinely demonstrated to be free from interferences under conditions of the analysis by running laboratory method blanks as described in the Quality Control section. Raw GC/MS data from all blanks, samples, and spikes must be evaluated for interferences. If an interference is detected it is necessary to determine if the source of interference is in the preparation and/or cleanup of the samples; then take corrective action to eliminate the problem.

4.2. The use of high purity reagents, solvents, and gases helps to minimize interference problems.

4.3. Matrix interferences may be caused by contaminants that are co-extracted from the sample. The extent of matrix interferences will vary considerably from source to source, depending upon the nature of the sample.

4.4. Phthalate contamination is commonly observed in this analysis and its occurrence should be carefully evaluated as an indicator of a contamination problem in the sample preparation step of the analysis.

4.5. The following compounds may require special treatment when being determined by this method:

4.5.1. Benzidine analytes can be subject to oxidative losses during solvent concentration and exhibits poor chromatography.

4.5.2. Hexachlorocyclopentadiene is subject to thermal decomposition in the inlet of the gas chromatograph, chemical reaction in acetone solution, and photochemical decomposition.

4.5.3. N-Nitrosodiphenylamine decomposes in the gas chromatographic inlet and cannot be distinguished from diphenylamine.

4.5.4. Pentachlorophenol, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, 4-chloro-3-methylphenol, benzoic acid, 2-nitroaniline, 3-nitroaniline, 4-chloroaniline, and benzyl alcohol are subject to erratic chromatographic behavior, especially if the GC system is contaminated with high boiling material.

4.5.5. 3-Methylphenol cannot be separated from 4-methylphenol by the conditions specified in this method, and is reported as 4-methylphenol.

4.6. Hexachlorophene, kepone, famphur, and methapyrilene are unstable in methylene chloride and degrade soon after exposure to the solvent. Although these compounds can be detected in newly prepared standards and recently extracted samples, they cannot be detected in older calibration standards, and older standards are unable to meet calibration criteria for these four compounds.

5. SAFETY

Employees must abide by the policies and procedures in the Corporate Safety Manual, Radiation Safety Manual, Sacramento Supplement to the EHSM, and this document. All work must be stopped in the event of a known or potential compromise to the health or safety of an associate. The situation must be reported immediately to a supervisor, the EH&S Staff, or a senior manager.

5.1. Specific Safety Concerns or Requirements

5.1.1. Ensure that all instrument exhaust vents and lines are properly connected to either a laboratory vent or an appropriate filter. Instruments may not be vented to the working environment.

5.1.2. The autovials used on the instrument contain a small amount of solvent after the analysis is completed, which can evaporate into the air through the puncture in the septa. These autovials may be collected in an open tripour or similar cup at the instrument while the analyst is removing them from the tray, but once that is complete the vials must be transferred to a waste container in a fume hood. They cannot be left out on the bench by the instrument.

5.1.3. Eye protection that satisfies ANSI Z87.1, laboratory coat, and chemically resistant gloves must be worn while samples, standards, solvents, and reagents are being handled. Nitrile gloves should be used when working with solvent or extract containers. Latex and vinyl gloves provide no significant protection against the organic solvents used in this SOP, and should not be used.

5.1.4. Exposure to chemicals must be maintained **as low as reasonably achievable**. All preparation of standards and dilutions shall be performed inside an operating fume hood. All samples must be opened, transferred and prepared in a fume hood. Solvent and waste containers will be kept closed unless

transfers are being made.

5.1.5. Laboratory procedures such as repetitive use of pipets, repetitive transferring of extracts, and manipulation of filled separatory funnels and other glassware represent a significant potential for repetitive motion or other ergonomic injuries. Laboratory associates performing these procedures are in the best position to realize when they are at risk for these types of injuries. Whenever a situation is found in which an employee is performing the same repetitive motion, the employee shall immediately bring this to the attention of their supervisor, manager, or the EH&S staff. The task will be analyzed to determine a better means of accomplishing it.

5.2. Primary Materials Used

The following is a list of the materials used in this method, which have a serious or significant hazard rating. **NOTE: This list does not include all materials used in the method. The table contains a summary of the primary hazards listed in the MSDS for each of the materials listed in the table.** A complete list of materials used in the method can be found in the reagents and materials section. Employees must review the information in the MSDS for each material before using it for the first time or when there are major changes to the MSDS.

Material (1)	Hazards	Exposure Limit (2)	Signs and symptoms of exposure
Methylene Chloride	Carcinogen Irritant	25 ppm-TWA 125 ppm-STEL	Causes irritation to respiratory tract. Has a strong narcotic effect with symptoms of mental confusion, light-headedness, fatigue, nausea, vomiting and headache. Causes irritation, redness and pain to the skin and eyes. Prolonged contact can cause burns. Liquid degreases the skin. May be absorbed through skin.
1 – Always add acid to water to prevent violent reactions.			
2 – Exposure limit refers to the OSHA regulatory exposure limit.			

6. EQUIPMENT AND SUPPLIES

6.1. Gas Chromatograph/Mass Spectrometer System: An analytical system complete with a temperature-programmable gas chromatograph suitable for split/splitless injection and all required accessories, including syringes, analytical columns, and gases. The capillary column should be directly coupled to the source.

6.2. Column: 30 m x 0.32 mm I.D. (or 0.25 mm I.D.) 0.25-µm film thickness silicon-coated fused-silica capillary column (J & W Scientific DB-5.625 or equivalent). Alternate columns are acceptable if they provide acceptable performance.

6.3. Mass Spectrometer: Capable of scanning from 35 to 500 AMU every one second or

less, using 70 volts (nominal) electron energy in the electron impact ionization mode. The mass spectrometer (HP5973) must be capable of producing a mass spectrum for decafluorotriphenylphosphine (DFTPP) which meets all of the criteria in Table 3 when 50 ng of the GC/MS tuning standard is injected through the GC.

6.4. GC/MS Interface: Any GC-to-MS interface that gives acceptable calibration points and achieves acceptable tuning performance criteria may be used (GC used is HP6890).

6.5. Data System: A computer system must be interfaced to the mass spectrometer. The system must allow the continuous acquisition and storage on machine-readable media of all mass spectra obtained throughout the duration of the chromatographic program. The computer must have software that can search any GC/MS data file for ions of a specific mass and that can plot such ion abundances versus time or scan number. This type of plot is defined as the Extracted Ion Current Profile (EICP). Software must also be available that allows integrating the abundances in any EICP between specified time or scan-number limits. The most recent version of the NIST Mass Spectral Library is recommended.

6.6. Syringe: 10 µL Hamilton Laboratory grade syringes or equivalent.

6.7. Carrier gas: Ultra high purity helium.

7. REAGENTS AND STANDARDS

7.1. A minimum five-point calibration curve is prepared. The low point should be at or below the reporting limit. Refer to Tables 9 and 10 for typical calibration levels for all analytes. Other calibration levels may be used, depending on instrument capability, but the low standard must support the reporting limit and the high standard defines the range of the calibration.

7.2. An Internal Standard solution is prepared in methylene chloride (DCM). Compounds in the I.S. Mix are: acenaphthene-d10, chrysene-d12, 1,4-dichlorobenzene-d4, naphthalene-d8, perylene-d12, and phenanthrene-d10. See Table 7 for composition of this solution. This solution is valid for up to one year.

7.2.1. Internal Standards are added to all standards and extracts to result in 40 ng injected onto the column. For example, if the volume of an extract used is 1000 µL, 20 µL of a 2000 µg/mL internal standard solution would be added for a 1 µL injection.

7.3. Surrogate Standard Spiking Solution: Prepare as indicated in the preparative methods. See appropriate preparation SOP. Surrogate compounds and levels are listed in Table 6.

7.4. GC/MS Tuning Standard: A methylene chloride solution containing 50 µg/mL o-decafluorotriphenylphosphine (DFTPP) is prepared. Pentachlorophenol, benzidine, and DDT, should also be included in the Tuning Standard at 50µg/mL. This solution is valid for one year.

7.5. Laboratory Control Spiking Solution: Prepare as indicated in the preparative methods. See appropriate preparation SOP. LCS compounds and levels are listed in Table 5.

7.6. Matrix Spike Solution: Prepare as indicated in the preparative methods. See preparation SOP. The matrix spike compounds and levels are the same as the LCS compounds.

7.7. The standards listed in 7.1 to 7.6 should be refrigerated at ≤ 6ºC when not in use. Refrigeration at -10ºC to -20ºC may be used if it can be demonstrated that analytes do not fall out of solution at this temperature. The continuing calibration standard is stored at ≤ 6ºC.

7.8. The daily instrument standard should be refreshed or reprepared on a weekly basis, to avoid concentration effects.

7.9. The standards must be replaced at least once a year. Rotate them to the Hazardous Waste storage area for disposal..

8. SAMPLE COLLECTION, PRESERVATION AND STORAGE

8.1. Refer to SOP WS-OP-0001 and WS-OP-0006 for sample bottle preservation and storage.

8.2. Extracts are stored at –10 to -20°C until at least 30 days following invoicing.

8.3. Extracts must be analyzed within 40 days of extraction.

9. QUALITY CONTROL

9.1. Initial Demonstration of Capability

9.1.1. For the standard analyte list, the initial demonstration and method detection limit (MDL) studies described in Section 13 must be acceptable before analysis of samples may begin.

9.1.2. For non-standard analytes an MDL study should be performed and calibration curve generated before analyzing any samples, unless lesser requirements are previously agreed to with the client. In any event, the minimum initial

demonstration required is analysis of an extracted standard at the reporting limit and a single point calibration.

9.2. Control Limits

In-house historical control limits must be determined for surrogates, matrix spikes, and laboratory control samples (LCS). These limits must be determined at least annually. The recovery limits are mean recovery ±3 standard deviations for surrogates, MS and LCS. Precision limits for matrix spikes/matrix spike duplicates are mean relative percent difference ± 3 standard deviations.

9.2.1. These limits do not apply to dilutions (except for tests without a separate extraction), but surrogate and matrix spike recoveries will be reported unless the dilution is 5X or greater.

9.2.2. All surrogate, LCS, and MS recoveries (except for dilutions) must be entered into QuantIMS (when available) or other database so that accurate historical control limits can be generated. For tests without a separate extraction, surrogates and matrix spikes will be reported for all dilutions.

9.2.3. Refer to WS-PQA-003 for further details of control limits.

9.2.4. Current control limits for surrogates, LCS, and matrix spikes may be obtained by using QC Browser or an equivalent tool to query the LIMS database.

9.3. Method Blank

A method blank is prepared and analyzed with each batch of samples. The laboratory will attempt to run all samples from a preparation batch within the same sequence on the instrument. If this is not possible, samples may be run on different sequences or different instruments, if accompanied by an instrument blank as per Section 9.4. The method blank consists of reagent water for aqueous samples, and sodium sulfate for soil samples (Refer to SOP WS-OP-0001 and WS-OP-0006 for details). Surrogates are added and the method blank is carried through the entire analytical procedure. The method blank must not contain any analyte of interest at or above the reporting limit (except common laboratory contaminants, see below) or at or above 10% of the measured concentration of that analyte in the associated samples, whichever is higher.

- If the analyte is a common laboratory contaminant (phthalate esters), the data may be reported with qualifiers if the concentration of the analyte is less than five times the RL. Such action must be taken in consultation with the client.
- Reanalysis of any samples with reportable concentrations of analytes found in the method blank is required unless other actions are agreed with the client.
- If there is no target analyte greater than the RL in the samples associated with an unacceptable method blank, the data may be reported with qualifiers. Such action should be taken in consultation with the client.
- The method blank must have acceptable surrogate recoveries. If surrogate recoveries are not acceptable, the data must be evaluated to determine if the

method blank has served the purpose of demonstrating that the analysis is free of contamination. If surrogate recoveries are low, and there are reportable analytes in the associated samples, re-extraction of the blank and affected samples will normally be required. Consultation with the client should take place.

- The DOD QSM criteria for method blanks is no analytes detected greater than ½ the reporting limit (RL). For common laboratory contaminants, it is no analytes detected greater than the RL.

9.3.1. If reanalysis of the batch is not possible due to limited sample volume or other constraints, the method blank is reported, all associated samples are flagged with a "B", and appropriate comments may be made in a narrative to provide further documentation.

9.3.2. Refer to WS-PQA-003 for further details of the corrective actions.

9.3.3. Sample results are NOT blank subtracted unless specific requests and arrangements have been made with a client or agency.

9.4. Instrument Blank

Instruments must be evaluated for contamination during each 12 hour analytical run. This may be accomplished by analysis of a method blank. If a method blank is not available, an instrument blank must be analyzed. An instrument blank consists of methylene chloride with the internal standards added. It is evaluated in the same way as the method blank.

9.5. Laboratory Control Sample (LCS)

A laboratory control sample (LCS) is prepared and analyzed with every batch of samples. All analytes must be within established control limits. The LCS contains a representative subset of the analytes of interest (see Table 5), and must contain the same analytes as the matrix spike. Upon client request, additional analytes may be added to the LCS. If any control analyte or surrogate is outside established control limits, the system is out of control and corrective action must occur. Corrective action will normally be re-preparation and reanalysis of the batch. The analyst should monitor the system if non-control analytes are outside of established control limits, and perform corrective action as necessary to prevent re-occurring failures.

- If the batch is not re-extracted and reanalyzed, the reasons for accepting the batch must be clearly presented in the project records and the report. (An example of acceptable reasons for not reanalyzing might be that sample was non-detect and the LCS had high recoveries, indicating a high bias).
- If re-extraction and reanalysis of the batch is not possible due to limited sample volume or other constraints, the LCS is reported, all associated samples are flagged, and appropriate comments are made in a narrative to provide further documentation.

- If a sample is re-extracted past holding time, both sets of data will be reported.

9.5.1. Ongoing monitoring of the LCS provides evidence that the laboratory is performing the method within accepted QC guidelines for accuracy and precision.

9.5.2. A specific number of random exceedances may be allowed based on control charts kept by QA.

9.5.3. Poor performing analytes are those analytes identified as not performing well. These compounds generally have low percent recoveries and high standard deviations when the results of the LCS are compiled. Specific problems may also be noted by the standard manufacturers. The poor performing analytes for Method 8270 are aniline, 4-chloroaniline, 3-nitroaniline, 3,3'-dichlorobenzidine, benzoic acid, benzidine, and the "Appendix IX" compounds. Batch control is not determined by these analytes, and they are considered non-control analytes.

9.6. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A matrix spike/matrix spike duplicate (MS/MSD) is prepared and analyzed with every batch of samples. The MS/MSD is spiked with the same subset of analytes as the LCS (See Table 5). Compare the percent recovery and relative percent difference (RPD) to that in the laboratory specific historically generated limits.

- If any individual recovery or RPD falls outside the acceptable range, corrective action must occur. The initial corrective action will be to check the recovery of that analyte in the Laboratory Control Sample (LCS). Generally, if the recovery of the analyte in the LCS is within limits, then the laboratory operation is in control and analysis may proceed. The reasons for accepting the batch must be documented.
- If the recovery for any component is outside QC limits for both the matrix spike/spike duplicate and the LCS, the laboratory is out of control and corrective action must be taken. Corrective action will normally include re-preparation and reanalysis of the batch.
- If a MS/MSD is not possible due to limited sample, then a LCS duplicate may be analyzed if required by client or program. RPD of the LCS and LCSD are compared to the matrix spike limits.
- The matrix spike/duplicate must be analyzed at the same dilution as the unspiked sample, even if the matrix spike compounds will be diluted out.

9.7. Surrogates

9.7.1. Every sample, blank, and QC sample is spiked with surrogate standards. Surrogate spike recoveries must be evaluated by determining whether the

concentration (measured as percent recovery) falls within the required recovery limits. The compounds routinely included in the surrogate spiking solution, along with recommended standard concentrations, are listed in Table 6.

9.7.2. Corrective actions for surrogate failures in MB, LCS, or LCSD (batch QC samples)

- Check all calculations for error.
- Ensure that instrument performance is acceptable.
- Recalculate the data and/or reanalyze the extract if either of the above checks reveals a problem.
- Reanalyze the QC sample and/or reanalyze all samples in the QC batch.

Note: Unless otherwise specified by the client, it may be possible to report qualified results if method QC surrogate recoveries are biased high and analytes were not detected in the field samples. However, all other QC requirements would have to be met and the failure would have to be noted as an NCM.

9.7.3. Corrective actions for surrogate failures in field samples or MS/MSD:

- Check calculation and instrument performance.
- Recalculate the data and/or reanalyze the extract if either of the above checks reveals a problem.
- Evaluate objective evidence of matrix interference (e.g. heterogeneous sample, interfering compounds seen on chromatograms, or interference demonstrated by prior analyses);
- consult with the client in the event of low bias (as evidenced by low recoveries) in conjunction with possible matrix effect;
- re-analyze or re-prepare the affected samples;
- and document the failure and note it in the final report

Note: Some client programs require reanalysis to confirm matrix interferences. Check special project instructions for this corrective action.

The decision to reanalyze or flag the data should be made in consultation with the client. It is only necessary to re-prepare/reanalyze a sample once to demonstrate that poor surrogate recovery is due to matrix effect, unless the analyst believes that the repeated out of control results are not due to matrix effect.

9.7.4. If the sample with surrogate recoveries outside the recovery limits was a sample used for an MS/MSD and the surrogate recoveries in the MS/MSD are also outside of the control limits, then the sample, the MS, and the MSD do not require reanalysis as this phenomenon would indicate a possible matrix problem.

9.7.5. If the sample is reanalyzed and the surrogate recoveries in the reanalysis are

acceptable, then the problem was within the analyst's control and only the reanalyzed data should be reported. (Unless the reanalysis was outside holding times, in which case reporting both sets of results may be appropriate.)

9.7.6. If the reanalysis does confirm the original results, the sample will be re-extracted. If the re-extraction confirms, the original analysis is reported and the data flagged as estimated due to matrix effect. If re-extraction does not confirm (all surrogates pass in the re-extraction), only the re-extraction is reported (unless the re-extraction is outside holding times, in which case both sets of results are reported.

9.8. Internal Standards

Internal standards (IS) are components similar in nature to the analytes of interest. These are added to every sample (including QC aliquots) and standard analyzed. The purpose is to enable calculations based on internal standard methodology. Internal standard response is monitored to verify that instrument performance is acceptable. Criteria for standards are delineated in Section 10 and must be met before sample analysis can start.

Internal standards in samples are monitored for instrument drift. If the internal standard data indicate instrument failure, the samples may require reanalysis. If IS response is affected by matrix effects, the impact on sample data is evaluated and the data is flagged appropriately.

9.8.1. Any samples that do not meet the same internal standard criteria set forth for the continuing calibration (Section 10.5) as compared to the Initial Calibration (ICAL) must be evaluated for validity (HSL samples to HSL ICAL, AP9 samples to AP9 ICAL.) Alternatively, the internal standards in the samples may be compared to the response of the daily CCV, on a per batch basis, to meet client or program requirements. Evaluation may include re-analysis, unless there is obvious matrix interference. If the change in internal standard response is a matrix effect confined to an individual sample (and not due to instrument drift) reanalysis may not be necessary, but should be verified by the department manager or client. Any internal standard responses outside the criteria should be noted in the case narrative. If the change in internal standard response is due to instrumental problems, all affected samples must be reanalyzed after the problem is corrected.

9.9. Nonconformance and Corrective Action

Any deviations from QC procedures must be documented as a nonconformance, with applicable cause and corrective action approved by the facility QA Manager.

9.10. Quality Assurance Summaries

Certain clients may require specific project or program QC that may supersede these method requirements. Quality Assurance Summaries should be developed to address these requirements.

9.11. QC Program

- Further details of QC and corrective action guidelines are presented in the QC Program document (WS-PQA-003). Refer to this document if in doubt regarding corrective actions.

10. CALIBRATION

10.1. For details of the calculations used to generate the regression equations, and how to use the factors generated by these equations, refer to SOP CA-Q-S-005 "Calibration Curves (General)".

10.2. Summary

The instrument is tuned for DFTPP, calibrated initially with a minimum five-point calibration curve, and verified each 12-hour shift with one or more continuing calibration standard(s). Recommended instrument conditions are listed in Table 2.

10.3. All standards and extracts are allowed to warm to room temperature before injecting.

10.4. Instrument Tuning

At the beginning of every twelve-hour shift when analyses are to be performed, the GC/MS system must be checked to see if acceptable performance criteria (Table 3) are achieved for DFTPP (decafluorotriphenylphosphine).

10.4.1. Inject 50 ng of the GC/MS tuning standard (Section 7.4) into the GC/MS system. Obtain a background-corrected mass spectrum of DFTPP and confirm that all the key m/z criteria in Table 3 are achieved. If all the criteria are not achieved, the analyst must retune the mass spectrometer and repeat the test until all criteria are achieved. The performance criteria must be achieved before any samples, blanks, or standards are analyzed.

10.4.1.1. Evaluate the mass spectrum for DFTPP either at the apex of the peak, or ± 1 scan from the apex. Alternatively, average the mass spectra from 1 scan before the apex to 1 scan following the apex.

10.4.2. The GC/MS tuning standard should also be used to evaluate the inertness of the chromatographic system.

10.4.2.1. Benzidine and pentachlorophenol should not exhibit excessive tailing. Tailing must be ≤ 3% for benzidine and ≤ 5% for pentachlorophenol. Refer to Section 12 for the appropriate

calculations.

10.4.2.2. DDT must be included in the tuning standard, and its breakdown must be < 20%. Refer to Section 12 for the appropriate calculations.

10.5. Initial Calibration

10.5.1. Internal Standard Calibration Procedure: Internal standards are listed in Table 7. Use the base peak m/z as the primary m/z for quantitation of the standards, as noted in Table 4. If interferences are noted, use one of the next two most intense masses for quantitation.

10.5.2. Compounds should be assigned to the IS with the closest retention time.

10.5.3. Prepare calibration standards to generate a multi-point curve for each parameter of interest. A minimum of five standards is required to generate a multi-point calibration quantitated based on average relative response factors or linear regression. A minimum of six standards is required to generate a multi-point calibration based on non-linear curve fits (quadratic). In general, five standards are used for selected compounds known to exhibit poor response or poor chromatography at low concentrations, and all six standards are used for the remaining compounds. Compounds and the required calibration standards are identified in Tables 9 and 10.

10.5.4. Analyze each calibration standard and tabulate the area of the primary characteristic m/z against concentration for each compound and internal standard. Calculate response factors (RF), average response factors, and the percent RSD of the response factors for each compound using the equations in Section 12 and verify that the CCC and SPCC criteria in Section 10.4.5 and 10.4.6 are met. **No sample analysis may be performed unless these criteria are met.**

10.5.5. System Performance Check Compounds (SPCCs): The minimum average RRF for semivolatile SPCCs is 0.050. If the minimum response factors are not met, the system must be evaluated and corrective action must be taken before sample analysis begins. Some possible problems are standard mixture degradation, injection port inlet contamination, contamination at the front end of the analytical column, and active sites in the column or chromatographic system. This check must be met before analysis begins.

SPCC Compounds:
n-nitroso-di-n-propylamine
Hexachlorocyclopentadiene
2,4-Dinitrophenol
4-Nitrophenol

10.5.6. Calibration Check Compounds (CCCs): The %RSD of the response factors for

each CCC in the initial calibration must be less than 30% for the initial calibration to be considered valid. This criterion must be met before sample analysis begins. Problems similar to those listed under SPCCs could affect this criterion.

10.5.6.1. If none of the CCCs are required analytes, evaluate the calibration curve per Section 10.4.7, or project specific calibration specifications must be agreed with the client.

10.5.6.2. CCC Compounds:

Phenol
Acenaphthene
1,4-Dichlorobenzene
n-nitrosodiphenylamine
2-Nitrophenol
Pentachlorophenol
2,4-Dichlorophenol
Fluoranthene
Hexachlorobutadiene
Di-n-octylphthalate
4-Chloro-3-methylphenol
Benzo(a)pyrene
2,4,6-Trichlorophenol

10.5.7. Evaluate the %RSD of each analyte.

10.5.7.1. If the %RSD is ≤ 15% for a compound, the average relative response factor is used to quantitate that compound.

10.5.7.2. If the %RSD is > 15% for a compound, attempt a linear curve fit. Linear curve fits must have a correlation coefficient (r) of ≥ 0.995, or a coefficient of determination (r^2) of ≥ 0.990. In addition, the y intercept (listed as "b" on the Target ICAL summary page) must be within ±1/2(RL/ISTD). If the intercept exceeds this criterion, false positives or negatives could result. If the RL is elevated for client or project requirements, use the default RL in the calculation.

Note: The RL value must be in terms of the amount "on-column" on the instrument.

10.5.7.3. If the linear fit does not meet criteria, a quadratic curve fit may be attempted. The coefficient of determination (r^2) must be ≥ 0.990 and the y intercept (listed as "b" on the Target ICAL summary page) must be within ±1/2(RL/ISTD). If the intercept exceeds this criterion, false positives or negatives

could result. In this case, use the force through zero option (per Method 8000C.) If the RL is elevated for client or project requirements, use the default RL in the calculation

Note: The RL value must be in terms of the amount "on-column" on the instrument.

10.5.8. Weighting of Data Points

In a linear or quadratic calibration fit, the points at the lower end of the calibration curve have less weight in determining the curve generated than points at the high concentration end of the curve. However, in environmental analysis, accuracy at the low end of the curve is very important. For this reason it is preferable to increase the weighting of the lower concentration points. 1/Concentration^2 weighting (often called $1/X^2$ weighting) will improve accuracy at the low end of the curve and should be used if the data system has this capability.

10.5.9. Initial calibration verification standard (ICV): When available, a second source calibration standard is analyzed with the initial calibration curve. Each compound of the ICV must be within ± 25% of its expected value, with the following exceptions:

Benzidine Analytes: ≤ ± 50%D
Benzoic Acid: ≤ ± 50%D
2,2'-Oxybis (1-chloropropane): ≤ ± 30%D
Appendix IX analytes: ≤ ± 35%D
Some programs may specify different criteria, such as ≤ ± 25 %D for all analytes for AFCEE or DOD. Check QAPP requirements, or ensure that the client is aware of exceptions.

Corrective actions for a failed ICV include:

- Rerun the ICV.
- Remake or acquire a new ICV.
- Evaluate instrument conditions.
- Evaluated the initial calibration standards.
- Narrate all affected data

10.5.10. If time remains in the 12-hour period initiated by the DFTPP injection before the initial calibration, samples may be analyzed. Otherwise, proceed to Section 10.5.

10.5.11. Quantitation is performed using the calibration curve or average response factor from the initial curve, not the continuing calibration

10.6. Continuing Calibration

10.6.1. At the start of each 12-hour period, the GC/MS tuning standard must be analyzed. A 50 ng injection of DFTPP must result in a mass spectrum for DFTPP, which meets the criteria given in Table 3.

10.6.2. Following a successful DFTPP analysis the continuing calibration standard(s) are analyzed. The standards must contain all semivolatile analytes, including all required surrogates. A mid level calibration standard is used for the continuing calibration. Note: use the 20 ng, 50 ng, 80 ng, or 120ng standard for the mid level standard. Whichever level is chosen, analyst must ensure that all quality control comparisons in 10.5.3 are measured are against the same level in the Initial Calibration.

10.6.3. The following criteria must be met for the continuing calibration to be acceptable:

- The SPCC compounds must have a response factor of ≥ 0.05.
- The percent difference or drift of the CCC compounds from the initial calibration must be ≤ 20%. (See Section 12 for calculations) The % drift of all non-CCC and non-SPCC analytes must be < 50% (20% for AFCEE or DOD, or predetermined exceptions). Non-CCC analytes above 15 %D are tracked for possible future corrective action.
- The internal standard response must be within 50-200% of the response in the same concentration level of the initial calibration.
- The internal standard retention times must be within 30 seconds of the retention times in the mid-level of the initial calibration, or retention times are updated

10.6.3.1. If not all of the CCCs are required analytes for a project, all analytes in the project list must be ≤ 20% D, or project specific calibration specifications must be agreed with the client.

10.6.4. If the CCCs or the SPCCs do not meet the criteria in Section 10.5.3, the system must be evaluated and corrective action must be taken. The DFTPP tune and continuing calibration must be acceptable before analysis begins.

10.6.5. Once the above criteria have been met, sample analysis may begin. Initial calibration average RFs (or the calibration curve) will be used for sample quantitation, not the continuing calibration RFs. Analysis may proceed until 12 hours from the injection of the DFTPP have passed. (A sample injected less than 12 hours after the DFTPP is acceptable.).

11. PROCEDURE

11.1. Procedural Variations

One-time procedural variations are allowed only if deemed necessary in the professional judgment of a supervisor to accommodate variation in sample matrix, chemistry, sample size, or other parameters. Any variation in procedure shall be completely documented using a Nonconformance Memo and approved by a supervisor or group leader and QA Manager. If contractually required, the client shall be notified. The Nonconformance Memo shall be filed in the project file. Any unauthorized deviations from this procedure must also be documented as a non-conformance, with a cause and corrective action described.

11.2. Sample Preparation

Samples are prepared following SOP WS-OP-0001 or WS-OP-0006.

11.3. Sample Analysis Procedure

11.3.1. Calibrate the instrument as described in Section 10. Depending on the target compounds required by the client, it might be necessary to use more than one calibration standard.

11.3.2. All samples must be analyzed using the same instrument conditions as the preceding continuing calibration standard.

11.3.3. Add internal standard to the extract to result in 40 ng injected on column (for example, 20 µL internal standard solution in 1.0 mL of extract for a 1 µL injection). Mix thoroughly before injection into the instrument.

11.3.4. Inject the sample extract into the GC/MS system using the same injection technique as used for the standards.

11.3.5. The data system will determine the concentration of each analyte in the extract using calculations equivalent to those in Section 12. Quantitation is based on the initial calibration, not the continuing calibration.

11.3.6. Identified compounds are reviewed for proper integration. Manual integrations are performed if necessary and are documented by the analyst or automatically by the data system. See CA-Q-S-002 for Manual Integration procedures.

11.3.7. Target compounds identified by the data system are evaluated using the criteria listed in Section 12.1.

11.3.8. Library searches of peaks present in the chromatogram that are not target compounds (Tentatively Identified Compounds, TIC) may be performed if required by the client. They are evaluated using the criteria in Section 12.3.

11.4. Dilutions

If the response for any compound exceeds the working range of the GC/MS system, a dilution of the extract is prepared and analyzed. An appropriate dilution should be targeted to be in the upper half of the calibration range. Samples may be screened to determine the appropriate dilution for the initial run. If the initial diluted run has no hits or hits below 20% of the reporting limit and the matrix allows for analysis at a lesser dilution, the sample should be reanalyzed at a dilution targeted to bring the largest hit above 50% of the calibration range.

11.4.1. Guidance for Dilutions Due to Matrix

If the sample is initially run at a dilution and the baseline rise is less than the height of the internal standards, or if individual non-target peaks are less than two times the height of the internal standards, the sample should be reanalyzed at a more concentrated dilution. This requirement is approximate and subject to analyst judgment. For example, samples containing organic acids may need to be analyzed at a higher dilution to avoid destroying the column.

11.4.2. Reporting Dilutions

The most concentrated dilution with no target compounds above the calibration range will be reported. Other dilutions will only be reported at client request.

11.4.3. Each time the sample extract is diluted, internal standard solution must be added to maintain a final concentration of 40 µg/mL for each internal standard component. See Table 8 for guidance as to solution volumes when diluting.

11.5. Perform all qualitative and quantitative measurements. When the extracts are not being used for analyses, refrigerate them at -10 to -20°C, protected from light in screw cap vials equipped with unpierced Teflon lined septa.

11.6. Retention Time Criteria for Samples

If the retention time for any internal standard changes by more than 0.5 minutes from the last continuing calibration standard, the chromatographic system must be inspected for malfunctions and corrected. Reanalysis of samples analyzed while the system was malfunctioning is required.

11.6.1. If the retention time of any internal standard in any sample varies by more than 0.1 minute from the preceding continuing calibration standard, the data must be carefully evaluated to ensure that no analytes have shifted outside their retention time windows.

11.7. Percent Moisture

Analytical results may be reported as dry or wet weight, as required by the client. Percent moisture must be determined if results will be reported as dry weight. Refer to SOP WS-OP-0013 for determination of percent moisture.

11.8. Troubleshooting Guide

11.8.1. Daily Instrument Maintenance

In addition to the checks listed in the instrument maintenance schedule in the TestAmerica West Sacramento Quality Assurance Manual(QAM), the following daily maintenance should be performed.

- Clip column as necessary.
- Install new or cleaned injection port liner as necessary.
- Install new septum as necessary.
- Perform mass calibration as necessary.

11.8.2. Major Maintenance

- A new initial calibration is necessary following major maintenance. Major maintenance includes changing the column, cleaning the ion volume or repeller, cleaning the source, and replacing the multiplier. Refer to the manufacturer's manual for specific guidance.

12. CALCULATIONS/DATA REDUCTION

12.1. Qualitative Identification

An analyte is identified by retention time and by comparison of the sample mass spectrum with the mass spectrum of a standard of the suspected compound (standard reference spectrum). Mass spectra for standard reference may be obtained on the user's GC/MS by analysis of the calibration standards or from the NIST library. Two criteria must be satisfied to verify identification: (1) elution of sample component at the same GC retention time as the standard component; and (2) correspondence of the sample component and the standard component characteristic ions.

Note: Care must be taken to ensure that spectral distortion due to co-elution is evaluated.

- The sample component retention time must compare to within ± 0.2 min. of the retention time of the standard component. For reference, the standard must be run within the same twelve hours as the sample.
- All ions present in the standard mass spectra at a relative intensity greater than 10% (most abundant ion in the spectrum equals 100%) should be present in the sample spectrum.

- The characteristic ions of a compound must maximize in the same scan or within one scan of each other.
- The relative intensities of ions should agree to within ±30% between the standard and sample spectra. Example: For an ion with an abundance of 50% in the standard spectra, the corresponding sample abundance must be between 20% and 80%.

12.1.1. If a compound cannot be verified by all the above criteria, but in the technical judgment of the analyst the identification is correct, the analyst shall report that identification and proceed with quantitation.

12.2. Mass Chromatogram Searches.

Certain compounds are unstable in the calibration standard and cannot be calibrated in the normal way. In particular, the compounds hexachlorophene, kepone and famphur fall into this category, and are required for Appendix IX analysis. For these analytes a mass chromatogram search is made.

12.2.1. Display the mass chromatograms for the masses below for the region of the chromatogram from at least 3 minutes before chrysene-d12 to at least 4 minutes after chrysene-d12. If peaks for all ions coincide then the analyst evaluates the spectrum for the presence of hexachlorophene, kepone, and/or famphur. No quantitation is possible.

Compound Masses	Monitored		
Hexachlorophene 196		198	
Kepone 272		274	237
Famphur 218		125	93

12.3. For samples containing components not associated with the calibration standards, a library search may be made for the purpose of tentative identification. The necessity to perform this type of identification will be determined by the type of analyses being conducted. Computer generated library search routines should not use normalization routines that would misrepresent the library or unknown spectra when compared to each other. Only after visual comparison of sample spectra with the nearest library searches shall the mass spectral interpretation specialist assign a tentative identification. Guidelines for making tentative identification are:

- Relative intensities of major ions in the reference spectrum (ions >10% of the most abundant ion) should be present in the sample spectrum.
- The relative intensities of the major ions should agree within ±20%. (Example: For an ion with an abundance of 50% in the standard spectrum, the corresponding sample ion abundance should be between 30% and 70%.)
- Molecular ions present in the reference spectrum should be present in the sample spectrum.

- Ions present in the sample spectrum, but not in the reference spectrum, should be reviewed for possible background contamination or presence of coeluting compounds.
- Ions present in the reference spectrum, but not in the sample spectrum, should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting peaks. Data system library reduction programs can sometimes create these discrepancies.
- Automatic background subtraction can severely distort spectra from samples with unresolved hydrocarbons.
- Any compound identified by the library search with a probability of 80% or less will be reported as UNKNOWN only. Any compound identified by the library search with 80% to 100% probability will be reported as the compound selected by the library search program. The only exception will be Aldol Condensate products which will be reported as "Aldol Condensate Product", and not by the analyte name.

Note: For samples that request a specific analyte list, and a TIC evaluation, any analytes detected that are not on the specific analyte list, but are part of laboratory calibration, are to be reported from the calibration, not library search.

12.4. Anyone evaluating data is trained to know how to handle isomers with identical mass spectra and close elution times. These include:

Chloroanilines
Dichlorobenzenes
Dinitrotoluenes
Methylphenols
Trichlorophenols
Phenanthrene, Anthracene
Fluoranthene, Pyrene
Benzo(b) and (k)fluoranthene
Chrysene, Benzo(a)anthracene

Extra precautions concerning these compounds are to more closely scrutinize retention time vs. the calibration standard and also to check that all isomers have distinct retention times. In particular, Benzo(b) and (k)fluoranthene may present difficulty in separation at higher levels. They may be reported together if the client does not require the separation.

A second category of problem compounds would be the poor responders or compounds that chromatograph poorly. Included in this category would be:

a,a-Dimethylphenethylamine
Benzoic acid
Chloroanilines
Nitroanilines
2,4-Dinitrophenol

4-Nitrophenol
Pentachlorophenol
3,3'-Dichlorobenzidine
Benzyl alcohol
4,6-Dinitro-2-methylphenol

Manually checking the integrations is appropriate for these compounds.

12.5. Calculations

More detailed information on fitting calculations are available from CA-Q-S-005 Calibration Curves (General).

12.5.1. Percent Relative Standard Deviation for Initial Calibration

EQUATION 1

$$\%\text{RSD} = \frac{\text{SD}}{\overline{\text{RF}}} \times 100$$

Where:

$\overline{RF}$ = Mean of RFs from initial calibration for a compound,

SD = Standard Deviation of RFs from the initial calibration for that compound, calculated as:

EQUATION 2

$$\sqrt{\sum_{i=1}^{N} \frac{\left(RFi - \overline{RF}\right)^2}{N-1}}$$

Where:

RFi = RF for each of the calibration levels

N = Number of RF levels

12.5.2. Continuing Calibration Percent Drift

EQUATION 3

$$\%\text{Drift} = \frac{C_{found} - C_{actual}}{C_{actual}} \times 100\%$$

Where:

C_{actual} = Known concentration in standard

C_{found} = Measured concentration using selected quantitation method

12.5.3. Concentration in the extract

The concentration of each identified analyte and surrogate in the extract is calculated from the linear or quadratic curve fitted to the initial calibration points, or from the average RF of the initial calibration. Variables for the equations below include:

C_{ex} = Concentration in extract, µg/mL

R_x = Response for analyte
R_{is} = Response for internal standard
C_{is} = Concentration of internal standard
A = Intercept
B = Slope
C = Curvature

12.5.3.1. Average Response Factor

If the average of all the %RSDs of the response factors in the initial calibration is ≤ 15%, the average response factor from the initial calibration may be used for quantitation.

EQUATION 4

$$C_{ex} = \frac{R_x C_{is}}{R_{is}\overline{RF}}$$

12.5.3.2. Linear Fit

EQUATION 5

$$C_{ex} = A + B\frac{(R_x C_{is})}{R_{is}}$$

12.5.3.3. Quadratic Fit

EQUATION 6

$$C_{ex} = \left(\frac{\frac{R_x}{R_{is}} - A}{B}\right)(C_{is})$$

12.5.4. The concentration in the sample is then calculated.

12.5.4.1. Aqueous Calculation

EQUATION 7

$$\text{Concentration, } \mu\text{g/L} = \frac{CexVt}{Vo}$$

Where:

V_t = Volume of total extract, µL, taking into account dilutions (i.e., a 1-to-10 dilution of a 1 mL extract will mean V_t = 10,000 µL. If half of the base/neutral extract and half of the acid extract are combined, V_t = 2,000.)

V_o = Volume of water extracted (mL)

12.5.4.2. Sediment/Soil, Sludge (on a dry-weight basis) and Waste (normally on a wet-weight basis:

EQUATION 8

$$\text{Concentration, µg/kg} = \frac{CexVt}{WsD}$$

Where:

W_s = Weight of sample extracted or diluted in grams
D = (100 - % moisture in sample)/100, for a dry weight basis or 1 for a wet weight basis

12.5.5. MS/MSD Percent Recovery Calculation.

EQUATION 9

$$\text{Matrix Spike Recovery} = \frac{S_{SR} - S_R}{S_A} \times 100\%$$

Where:

S_{SR} = Spike sample result
S_R = Sample result
S_A = Spike added

12.5.6. Relative Percent Difference calculation for the MS/MSD

EQUATION 10

$$RPD = \frac{MS_R - MSD_R}{1/2(MS_R + MSD_R)} \times 100$$

Where:

RPD = Relative percent difference
MS_R = Matrix spike result
MSD_R = Matrix spike duplicate result

12.5.7. Relative Response Factor Calculation.

EQUATION 11

$$RF = \frac{A_x C_{is}}{A_{is} C_x}$$

Where:

A_x = Area of the characteristic ion for the compound being measured
A_{is} = Area of the characteristic ion for the specific internal standard
C_x = Concentration of the compound being measured (µg/L)
C_{is} = Concentration of the specific internal standard (µg/L)

12.5.8. Calculation of TICs: The calculation of TICs (tentatively identified compounds) is identical to the above calculations with the following exceptions:

A_x= Area of the total ion chromatogram for the compound being measured
A_{is}= Area of the total ion chromatogram for the nearest internal standard without interference
RF= 1

12.5.9. Percent DDT Breakdown

EQUATION 12

$$\% \text{ DDT breakdown} = \frac{\text{DDEarea} + \text{DDDarea}}{\text{DDTarea} + \text{DDEarea} + \text{DDarea}}$$

The total ion current areas are used for this calculation

12.5.10. Tailing Factor (From Method 625)

EQUATION 13

$$\text{Tailing Factor} = \frac{AB}{BC}$$

Where:

AB = Peak width at 10% peak height, leading line to line drawn from apex.

12.5.11. BC = Peak width at 10% peak height, line from apex to right side of peak.

13. METHOD PERFORMANCE

13.1. Method Detection Limit

Each laboratory must generate a valid method detection limit for each analyte of interest. The MDL must be below the reporting limit for each analyte. The procedure for determination of the method detection limit is given in 40 CFR Part 136, Appendix B, and further defined in QA Policy #: CA-Q-S-006 and WS-QA-0006. MDLs are available in the Quality Assurance department.

13.2. Initial Demonstration

Each laboratory must make an initial demonstration of capability for each individual method. Demonstration of capability for both soil and water matrices is required. This requires analysis of QC check samples containing all of the standard analytes for the method. For some tests it may be necessary to use more than one QC check mix to cover all analytes of interest.

13.2.1. Four aliquots of the QC check sample are analyzed using the same procedures used to analyze samples, including sample preparation. The concentration of the QC check sample should be equivalent to the level 4 calibration standard.

13.2.2. Calculate the average recovery and standard deviation of the recovery for each analyte of interest. Compare these to the laboratory generated QC Limits.

13.2.3. If any analyte does not meet the acceptance criteria the test must be repeated. Only those analytes that did not meet criteria in the first test need to be evaluated. Repeated failure for any analyte indicates the need for the laboratory to evaluate the analytical procedure and take corrective action.

13.3. Non-standard Analytes

For non-standard analytes, an MDL study must be performed and calibration curve generated before analyzing any samples, unless lesser requirements are previously agreed to with the client. In any event, the minimum initial demonstration required is analysis of an extracted standard at the reporting limit and a single point calibration.

13.4. Training Qualification

The group/team leader has the responsibility to ensure that this procedure is performed by an analyst who has been properly trained in its use and has the required experience.

13.5. Data Quality Objectives (DQO). Refer to project-specific Quality Assurance plans for DQO information.

14. POLLUTION PREVENTION

All waste will be disposed of in accordance with Federal, State and Local regulations. Where reasonably feasible, technological changes have been implemented to minimize the potential for pollution of the environment.

14.1. Do not allow waste solvent to evaporate in fume hoods. All solvent waste is stored in capped containers unless transfers are being made.

15. WASTE MANAGEMENT

The following waste streams are produced when this method is carried out.

15.1. Autovials contaminated with methylene chloride. As the autovials are removed from the instrument after analysis, they are collected in open containers at the instrument. After all autovials are removed, the open container must be dumped into a closed satellite collection container in a fume hood, as the punctured septa in the autovial can allow methylene chloride to evaporate into the atmosphere. The satellite collection containers are transferred to the waste disposal area when full or after no more than one year, where they are disposed through the vial eater.

16. REFERENCES/CROSS REFERENCES

16.1. SW846, Test Methods for Evaluating Solid Waste, Third Edition, Update III, December 1996, Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Column Technique, Method 8270C.

16.2. SW846, Test Methods for Evaluating Solid Waste, Third Edition, Update III, December 1996, Determinative Chromatographic Separations, Method 8000B.

16.3. SW846, Test Methods for Evaluating Solid Waste, Third Edition, Update III, March 2003, Determinative Chromatographic Separations, Method 8000C.

16.4. J. W. Eichelberger, L. E. Harris, and W. L. Budde, "Reference Compound to Calibrate Ion Abundance Measurement in Gas Chromatography/Mass Spectrometry," Analytical Chemistry, 47, 995 (1975).

16.5. Method 625, 40 CRF Part 136, Appendix A. (7-1-93)

16.6. Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Method TO-13A, (1999)

17. METHOD MODIFICATIONS

17.1. Modifications from Reference Method

17.1.1. A retention time window of 0.2 minutes is used for all components, since some data systems do not have the capability of using the relative retention time units specified in the reference method.

17.1.2. The quantitation and qualifier ions for some compounds have been changed from those recommended in SW-846 in order to improve the reliability of qualitative identification.

17.1.3. Due to retention time shifts as a result of column clipping and long-lived initial calibrations, the internal standard retention time criteria for continuing calibrations has been removed.

18. ATTACHMENTS

18.1.1. Table 1- Analytes and Standard Reporting Limits

18.2. Table 2- Suggested Instrument Conditions

18.3. Table 3- DFTPP Key Ions and Ion Abundance Criteria

18.4. Table 4- Analytes in Appropriate Retention Time Order and Characteristic Ions

18.5. Table 5- LCS and MS/MSD Spiking Components and Concentrations in the Sample

18.6. Table 6- Surrogate Compounds and Spiking Levels

18.7. Table 7- Internal Standard Solution

18.8. Table 8- Dilution Guidance

18.9. Table 9- Calibration Levels, Primary Standard, µg/mL

18.10. Table 10- Calibration Levels, Appendix IX Standard, µg/mL

19. REVISION HISTORY

19.1. WS-MS-0005, Revision 4.3, Effective 8/9/2010

19.1.1. Changed Section 10.6.3 to: "The % drift for all non-CCC and non-SPCC analytes must be <50% (20% AFCEE or DOD, or predetermined exceptions).

19.1.2. Inserted not following Section 12.5: More detailed information on fitting calculations are available from CA-Q-S-005 Calibration Curves (General).

19.2. WS-MS-0005, Revision 4.2, Effective 9/04/2009

19.2.1. Added Section 1.3, "When undertaking projects for Department of Defense (DoD) the relevant criteria in QA Policy WS-PQA-021 "DoD QSM and AFCEE QAPP Implementation" must be checked and incorporated."

19.2.2. Inserted Section 10.1, "For details of the calculations used to generate the regression equations, and how to use the factors generated by these equations, refer to SOP CA-Q-S-005 "Calibration Curves (General)"."

19.3. WS-MS-0005, Revision 4.1, Effective 6/19/2009

19.3.1. Updated "Air" spiking concentrations in Table 5.

19.3.2. Updated instrument operating parameters in Table 2.

19.4. WS-MS-0005, Revision 4, Effective 2/29/08

19.4.1. This SOP has been updated to the new TestAmerica format.

19.4.2. Removed the 1,4 Dioxane appendix to a separate SOP WS-MS-0011.

19.4.3. Removed the instrument conditions for the "slow run".

19.4.4. Clarified that analytes not requested as part of an analyte list but which are part of a calibration curve are to be reported from calibration standards, not library searches (note in Section 12.3).

19.5. SAC-MS-0005, Revision 3, Effective 1/3/07

19.5.1. Included a "short run" operating conditions.

19.5.2. Updated internal standard criteria.

19.6. SAC-MS-0005, Revision 2, Effective 12/16/04

19.6.1. Included directions for analysis of 1,4-Dioxane.

19.6.2. Revised maximum dilution for reporting surrogates.

19.6.3. Revised calibration schemes and criteria.

19.6.4. Revised tailing factor criteria and added calculation.

19.6.5. Added information for dealing with problematic analytes.

19.6.6. Updated EHS sections.

19.7. SAC-MS-0005, Revision 1, Revised 7/12/01

19.7.1. This SOP has been updated to reflect the change of ownership from Quanterra to STL.

19.7.2. This SOP has been modified from a "Corporate" SOP to a local SOP.

19.7.3. Directions for Method 625 have been removed.

19.7.4. The analyte list has been evaluated and verified to reflect the current lab practices.

19.7.5. The ions used for quantitation and qualification have been compared to the characteristic ion table in SW-846. Discrepancies have been flagged.

19.7.6. Included guidelines for which scans to use for evaluating DFTPP tuning criteria.

Table 1				
Analytes and Standard Reporting Limits				
Compound	CAS No.	Aqueous ug/L	Solid ug/kg	Air ug/sample
a,a-Dimethylphenethylamine	122-09-8	50	1600	50
Acenaphthene	83-32-9	10	330	10
Acenaphthylene	208-96-8	10	330	10
Acetophenone	98-86-2	10	330	10
2-Acetylaminofluorene	53-96-3	100	3300	100
4-Aminobiphenyl	92-67-1	50	1600	50
Aniline	62-53-3	10	330	10
Anthracene	120-12-7	10	330	10
Aramite	140-57-8	20	660	20
Azobenzene[2]	103-33-3	10	330	10
Benzaldehyde	100-52-7	10	330	--
Benzidine	92-87-5	100	3300	100
Benzo(a)anthracene	56-55-3	10	330	10
Benzo(b)fluoranthene	205-99-2	10	330	10
Benzo(j)fluoranthene	205-82-3	10	330	10
Benzo(k)fluoranthene	207-08-9	10	330	--
Benzoic acid	65-85-0	50	1600	150
Benzo(ghi)perylene	191-24-2	10	330	10
Benzo(a)pyrene	50-32-8	10	330	10
Benzo(e)pyrene	197-97-2	10	330	10
Benzyl alcohol	100-51-6	10	330	10
Biphenyl	92-52-4	10	330	--
bis(2-Chloroethoxy)methane	111-91-1	10	330	10
bis(2-Chloroethyl) ether	111-44-4	10	330	10
bis(2-Ethylhexyl) phthalate	117-81-7	10	330	10
4-Bromophenyl phenyl ether	101-55-3	10	330	10
Butyl benzyl phthalate	85-68-7	10	330	10
Carbazole	86-74-8	10	330	10
4-Chloroaniline	106-47-8	10	330	10
Chlorobenzilate	510-15-6	20	660	20
4-Chloro-3-methylphenol	59-50-7	10	330	50
1-Chloronaphthalene	90-13-1	10	330	--
2-Chloronaphthalene	91-58-7	10	330	10
2-Chlorophenol	95-57-8	10	330	10
4-Chlorophenyl phenyl ether	7005-72-3	10	330	10
Chrysene	218-01-9	10	330	10
Diallate	2303-16-4	20	660	20
Dibenz(a,j)acridine	224-42-0	20	660	20

Table 1				
Analytes and Standard Reporting Limits				
Compound	CAS No.	Aqueous ug/L	Solid ug/kg	Air ug/sample
Dibenz(a,h)anthracene	53-70-3	10	330	10
Dibenzofuran	132-64-9	10	330	10
Di-n-butyl phthalate	84-74-2	10	330	10
1,2-Dichlorobenzene	95-50-1	10	330	10
1,3-Dichlorobenzene	541-73-1	10	330	10
1,4-Dichlorobenzene	106-46-7	10	330	10
3,3'-Dichlorobenzidine	91-94-1	50	1600	10
2,4-Dichlorophenol	120-83-2	10	330	10
2,6-Dichlorophenol	87-65-0	10	330	10
Diethyl phthalate	84-66-2	10	330	10
Dimethoate	60-51-5	20	660	20
p-Dimethylaminoazobenzene	60-11-7	20	660	20
7,12-Dimethylbenz(a)anthracene	57-97-6	20	660	20
3,3'-Dimethylbenzidine	119-93-7	50	1600	50
2,4-Dimethylphenol	105-67-9	10	330	10
Dimethyl phthalate	131-11-3	10	330	10
1,3-Dinitrobenzene	99-65-0	10	330	10
1,4-Dinitrobenzene	100-25-4	10	330	--
4,6-Dinitro-2-methylphenol	534-52-1	50	1600	50
2,4-Dinitrophenol	51-28-5	50	1600	50
2,4-Dinitrotoluene	121-14-2	10	330	10
2,6-Dinitrotoluene	606-20-2	10	330	10
Dinoseb	88-85-7	20	660	20
Di-n-octyl phthalate	117-84-0	10	330	10
Disulfoton	298-04-4	50	1600	50
Ethyl methanesulfonate	62-50-0	10	330	10
Famphur	52-85-7	100	3300	100
Fluoranthene	206-44-0	10	330	10
Fluorene	86-73-7	10	330	10
Hexachlorobenzene	118-74-1	10	330	10
Hexachlorobutadiene	87-68-3	10	330	10
Hexachlorocyclopentadiene	77-47-4	50	1600	50
Hexachloroethane	67-72-1	10	330	10
Hexachloropropene	1888-71-7	10	3300	10
Indeno(1,2,3-cd)pyrene	193-39-5	10	330	10
Isodrin	465-73-6	20	660	20
Isophorone	78-59-1	10	330	10
Isosafrole	120-58-1	20	660	20
Kepone	143-50-0	100	3300	100

Table 1				
Analytes and Standard Reporting Limits				
Compound	CAS No.	Aqueous ug/L	Solid ug/kg	Air ug/sample
Methapyrilene	91-80-5	50	1600	50
3-Methylcholanthrene	56-49-5	20	660	20
Methyl methanesulfonate	66-27-3	10	330	10
2-Methylnaphthalene	91-57-6	10	330	10
1-Methylnaphthalene	90-12-0	10	330	--
Methyl parathion	298-00-0	50	1600	50
2-Methylphenol	95-48-7	10	330	20
3-Methylphenol	108-39-4	10	330	50
4-Methylphenol	106-44-5	10	330	20
3-Methylphenol & 4-Methylphenol	65794-96-9	20	660	50
Naphthalene	91-20-3	10	330	10
1,4-Naphthoquinone	130-15-4	50	1600	50
1-Naphthylamine	134-32-7	10	330	10
2-Naphthylamine	91-59-8	10	330	10
2-Nitroaniline	88-74-4	50	1600	10
3-Nitroaniline	99-09-2	50	1600	10
4-Nitroaniline	100-01-6	50	1600	50
Nitrobenzene	98-95-3	10	330	10
2-Nitrophenol	88-75-5	10	330	50
4-Nitrophenol	100-02-7	50	1600	50
4-Nitroquinoline-1-oxide	56-57-5	100	3300	100
n-Nitrosodi-n-butylamine	924-16-3	10	330	10
n-Nitrosodiethylamine	55-18-5	10	330	10
n-Nitrosodimethylamine	62-75-9	10	330	10
n-Nitrosodiphenylamine[3]	86-30-6	10	330	10
n-Nitrosodi-n-propylamine	621-64-7	10	330	10
n-Nitrosomethylethylamine	10595-95-6	10	330	10
n-Nitrosomorpholine	59-89-2	10	330	10
n-Nitrosopiperidine	100-75-4	10	330	10
n-Nitrosopyrrolidine	930-55-2	10	330	10
5-Nitro-o-toluidine	99-55-8	20	660	20
2,2'-oxybis(1-Chloropropane)[1]	108-60-1	10	330	10
Parathion	56-38-2	50	1600	50
Pentachlorobenzene	608-93-5	20	660	20
Pentachloroethane	76-01-7	50	1600	50
Pentachloronitrobenzene	82-68-8	50	1600	50
Pentachlorophenol	87-86-5	50	1600	50
Phenacetin	62-44-2	20	660	20
Phenanthrene	85-01-8	10	330	10

Table 1				
Analytes and Standard Reporting Limits				
Compound	CAS No.	Aqueous ug/L	Solid ug/kg	Air ug/sample
Phenol	108-95-2	10	330	50
1,4-Phenylenediamine	106-50-3	100	3300	100
Phorate	298-02-2	50	1600	50
2-Picoline	109-06-8	20	660	20
Pronamide	23950-58-5	20	660	20
Pyrene	129-00-0	10	330	10
Pyridine	110-86-1	20	660	20
Safrole	94-59-7	20	660	20
Sulfotepp	3689-24-5	50	1600	50
1,2,4,5-Tetrachlorobenzene	95-94-3	10	330	10
2,3,4,6-Tetrachlorophenol	58-90-2	50	1600	50
2,3,5,6-Tetrachlorophenol	935-95-5	50	1600	--
Thionazin	297-97-2	50	1600	50
o-Toluidine	95-53-4	20	660	20
1,2,4-Trichlorobenzene	120-82-1	10	330	10
2,4,5-Trichlorophenol	95-95-4	10	330	10
2,4,6-Trichlorophenol	88-06-2	10	330	50
O,O,O-Triethyl phosphorothioate	126-68-1	50	1600	50
1,3,5-Trinitrobenzene	99-35-4	50	1600	50

[1] 2,2'oxybis(1-chloropropane) was formerly known as bis(2-chloroisopropyl)ether

[2] Azobenzene is formed by decomposition of 1,2-diphenlyhydrazine. If 1,2-diphenylhydrazine is requested, it will be analyzed as azobenzene.

[3] Diphenylamine is a required compound for Appendix IX. N-nitrosodiphenylamine decomposes in the injection port to form diphenylamine. Therefore these two compounds cannot be distinguished. Diphenylamine is not included in the calibration standard.

Note: Hexachlorophene is a required analyte for Appendix IX. This compound is not stable, and therefore not included in the calibration standard. The characteristic ions for hexachlorophene are searched for in the chromatogram. (See Section 12.2.1)

Table 2	
Suggested Instrumental Conditions	
Mass Range	35-500 amu
Scan Time	≤1 second/scan
Initial Column Temperature/Hold Time	60°C for 1 minute
Column Temperature Program	Ramp at 20 °C/min to 190 °C, hold for 0.00 min Ramp at 13 °C/min to 310 °C, hold for 2.00 min. Ramp at 30 °C/min to 320 °C, hold for 1.00 min
Final Column Temperature/Hold Time	320°C (until at least one minute after benzo(g,h,i)perylene has eluted)
Injector Temperature	250 - 300°C
Transfer Line Temperature	250 - 300°C
Source Temperature	According to manufacturer's specifications
Injector	Grob-type, split/splitless
Sample Volume	1 or 2 µl
Carrier Gas	Helium at 30 cm/sec

Table 3
DFTPP Key Ions and Ion Abundance Criteria

Mass	Ion Abundance Criteria
51	30 - 60% of mass 198
68	<2% of mass 69
70	<2% of mass 69
127	40 - 60% of mass 198
197	<1% of mass 198
198	Base peak, 100% relative abundance
199	5 - 9% of mass 198
275	10 - 30% of mass 198
365	>1% of mass 198
441	Present, but less than mass 443
442	>40% of mass 198
443	17 - 23% of mass 442

Table 4				
Analytes in Approximate Retention Time Order and Characteristic Ions				
	Approximate Retention Time	Primary ion	Secondary ion	Tertiary ion
Internal Standards				
1,4-Dichlorobenzene-d4	4.045	152	150	115
Naphthalene-d8	5.432	136	68	
Acenaphthene-d10	7.512	164	162	160
Phenanthrene-d10	9.457	188	94	80

Table 4				
Analytes in Approximate Retention Time Order and Characteristic Ions				
	Approximate Retention Time	Primary ion	Secondary ion	Tertiary ion
Chrysene-d12	13.855	240	120	236
Perylene-d12	16.245	264	260	265
Surrogates				
2-Fluorophenol	2.907	112	64	
Phenol-d5	3.735	99	71	
2-Chlorophenol-d4	3.859	132	68	134
1,2-Dichlorobenzene-d4	4.242	152	150	
Nitrobenzene-d5	4.666	82	128	54
2-Fluorobiphenyl	6.725	172	171	170
2,4,6-Tribromophenol	8.536	330	332	141
Terphenyl-d14	12.065	244	122	212
Analytes				
n-Nitrosodimethylamine[1,2]	2.006	74	42	44
Pyridine[3]	2.017	79	78	
2-Picoline	2.433	93	66	92
n-Nitrosomethylethylamine[2]	2.516	88	35	
Methyl methanesulfonate	2.754	80	79	65
Benzaldehyde	3.582	106	105	77
n-Nitrosodiethylamine	3.064	102	56	57
Ethyl methanesulfonate	3.323	79	109	97
Aniline	3.776	93	66	65
Phenol	3.755	94	65	66
Pentachloroethane	3.706	117	119	
bis(2-chloroethyl)ether	3.828	93	63	95
2-Chlorophenol	3.879	128	64	130
1,3-Dichlorobenzene	4.014	146	148	111
1,4-Dichlorobenzene	4.066	146	148	111
Benzyl Alcohol	4.221	108	79	77
1,2-Dichlorobenzene	4.252	146	148	113
2-Methylphenol[1,2]	4.345	108	107	79
2,2'-oxybis(1-Chloropropane)	4.366	45	121	77
4-Methylphenol[1,2]	4.511	108	107	79
Acetophenone[2]	4.430	105	77	51
Hexachloroethane[2]	4.562	117	201	119
n-Nitrosodi-n-propylamine	4.542	70	42	130
n-Nitrosopyrrolidine	4.430	100	41	42
3-Methylphenol[1,2]	4.461	108	107	79
o-Toluidine	4.482	106	107	77
n-Nitrosomorpholine[3]	4.451	56	86	116

Table 4				
Analytes in Approximate Retention Time Order and Characteristic Ions				
	Approximate Retention Time	Primary ion	Secondary ion	Tertiary ion
Nitrobenzene	4.687	77	123	65
n-Nitrosopiperidine[1,2]	4.782	42	114	55
Isophorone	4.945	82	95	138
2-Nitrophenol	5.028	139	109	65
2,4-Dimethyphenol	5.090	107	122	121
bis(2-chloroethoxy)methane	5.194	93	95	123
o,o,o-TEPT[3]	5.144	198	121	93
2,4-Dichlorophenol	5.297	162	164	98
Benzoic Acid	5.349	122	105	77
1,2,4-Trichlorobenzene	5.380	180	182	145
Naphthalene	5.452	128	129	127
a-,a-Dimethylphenethylamine	5.196	58	91	42
4-Chloroaniline	5.545	127	129	
2,6-Dichlorophenol[3]	5.506	162	164	98
Hexachloropropene	5.537	213	211	215
Hexachlorobutadiene	5.659	225	223	227
p-Phenylenediamine[2]	5.910	108	80	107
n-Nitroso-di-n-butylamine	5.910	84	57	41
4-Chloro-3-methylphenol	6.125	107	144	142
Safrole[2]	6.117	162	131	104
Biphenyl[3]	6.769	154	153	76
2-Methylnaphthalene	6.249	142	141	115
1-Chloronaphthalene	6.810	162	127	164
1-Methylnaphthalene	6.324	142	141	115
Hexachlorocyclopentadiene	6.518	237	235	272
1,2,4,5-Tetrachlorobenzene	6.448	216	214	218
Isosafrole#1	6.469	162	131	104
2,4,6-Trichlorophenol	6.632	196	198	200
2,4,5-Trichlorphenol	6.673	196	198	200
2-Chloronaphthalene	6.829	162	127	164
Isosafrole#2	6.727	162	131	104
2-Nitroaniline	7.015	65	92	138
1,4-Naphthoquinone	6.996	158	102	104
1,3-Dinitrobenzene	7.100	168	75	
Dimethylphthalate	7.274	163	194	164
Acenaphthylene	7.325	152	151	153
1,4-Dinitrobenzene	7.234	168	75	
2,6-Dinitrotoluene	7.832	165	63	89
1,2-Dinitrobenzene	7.369	168	63	50

Table 4				
Analytes in Approximate Retention Time Order and Characteristic Ions				
	Approximate Retention Time	Primary ion	Secondary ion	Tertiary ion
3-Nitroaniline	7.522	138	108	92
Acenaphthene[1,2]	7.553	153	154	152
2,4-Dinitrophenol	7.646	184	63	154
Dibenzofuran	7.750	168	139	84
4-Nitrophenol[1,2]	7.770	109	139	65
Pentachlorobenzene	7.721	250	252	248
2,4-Dinitrotoluene	8.184	165	63	89
1-Naphthylamine[2]	7.793	143	115	116
2,3,5,6-Tetrachlorophenol	7.855	232	230	131
2-Naphthylamine	7.897	143	115	116
2,3,4,6-Tetrachlorophenol[3]	7.917	232	230	131
Fluorene	8.184	166	165	167
Diethylphthalate[3]	8.164	149	177	150
4-Chlorophenyl phenyl ether	8.195	204	206	141
4-Nitroaniline[3]	8.329	138	108	92
5-Nitro-o-toluidine	8.207	152	106	77
Thionazin[1]	8.186	97	96	143
4,6-Dinitro-2-methylphenol[1,2]	8.370	198	182	77
n-Nitrosodiphenylamine	8.381	169	168	167
Diphenylamine	8.300	169	168	167
Azobenzene	8.402	77	105	182
4-Bromophenyl phenyl ether	8.836	248	250	141
Sulfotepp[3]	8.673	97	322	202
Diallate 1	8.745	86	234	
1,3,5-Trinitrobenzene[1,2]	8.766	120	75	213
Phorate[1,2]	8.756	121	75	97
Diallate 2	8.859	86	234	
Phenacetin	8.797	108	109	179
Hexachlorobenzene	9.033	284	142	249
Dimethoate	9.004	87	93	125
Pentachlorophenol	9.302	266	264	268
4-Aminobiphenyl	9.159	169	168	170
Pentachloronitrobenzene[1,2]	9.345	295	237	142
Pronamide	9.325	173	175	145
Phenanthrene	9.498	178	179	176
Anthracene	9.571	178	176	179
Disulfoton	9.501	88	97	89
2-sec-Butyl-4,6-dinitrophenol	9.532	211	163	147
Carbazole[3]	9.830	167	166	139

Table 4				
Analytes in Approximate Retention Time Order and Characteristic Ions				
	Approximate Retention Time	Primary ion	Secondary ion	Tertiary ion
Methyl parathion	10.070	109	125	263
Di-n-butylphthalate	10.502	149	150	104
Hexachlorophene	10.600	196	198	406
4-Nitroquinoline-1-oxide[1,2]	10.680	190	174	101
Parathion	10.711	109	97	291
Methapyrilene[1,2]	10.877	58	97	72
Isodrin	11.063	193	66	195
Fluoranthene[2]	11.361	202	101	100
Benzidine	11.640	184	92	185
Pyrene[2]	11.734	202	101	100
Aramite#1[2]	12.057	185	135	91
Aramite#2[2]	12.191	185	91	135
p-Dimethylaminoazobenzene[1,2]	12.274	120	225	77
p-Chlorobenzilate	12.388	251	139	253
Kepone	12.802	272	274	237
3,3'-Dimethylbenzidine	12.924	212	106	196
Famphur	12.864	218	125	93
Butylbenzylphthalate	13.037	149	91	206
2-Acetylaminofluorene	13.329	181	180	223
Benzo(a)anthracene	13.834	228	229	226
Chrysene	13.917	228	226	229
3,3'-Dichlorobenzidine	13.876	252	254	126
bis(2-Ethylhexyl)phthalate	14.145	149	167	279
Di-n-octylphthalate	15.2000	149	167	43
Benzo(j)fluoranthene	15.596	252	126	250
Benzo(b)fluoranthene	15.676	252	253	125
Benzo(k)fluoranthene	15.718	252	253	125
7,12-Dimethylbenz(a)anthracene[2]	15.606	256	241	257
Benzo(e)pyrene[3]	16.090	252	126	250
Benzo(a)pyrene	16.173	252	253	125
3-Methylcholanthrene[2]	16.651	268	253	267
Dibenz(a,j)acridine	17.531	279	280	277
Indeno(1,2,3-cd)pyrene	17.911	276	138	
Dibenzo(a,h)anthracene	17.953	278	139	279
Benzo(g,h,i)perylene	18.356	276	138	277

1 Primary ion differs from Table 1 of Method 8270C (Characteristic Ions).

2 One of more confirmation ions differs from Table 1 of Method 8270C.

3 Compound is not listed in Table 1 of Method 8270C

Table 5			
LCS and MS/SD Spiking Components and Concentrations in the Sample			
Compound	Aqueous (µg/L)	Solid (µg/kg)	Air (µg)
Acenaphthene	100	3330	100
Acenaphthylene	100	3330	100
Anthracene	100	3330	100
Benz(a)anthracene	100	3330	100
Benzo(b)fluoranthene	100	3330	100
Benzo(k)fluoranthene	100	3330	100
Benzoic acid[1]	100	3330	100
Benzo(ghi)perylene	100	3330	100
Benzo(a)pyrene	100	3330	100
Benzyl alcohol	100	3330	100
bis(2-Chloroethoxy)methane	100	3330	100
bis(2-Chloroethyl) ether	100	3330	100
bis(2-Ethylhexyl) phthalate	100	3330	100
4-Bromophenyl phenyl ether	100	3330	100
Butyl benzyl phthalate	100	3330	100
Carbazole	100	3330	100
4-Chloroaniline[1]	100	3330	100
4-Chloro-3-methylphenol	100	3330	100
2-Chloronaphthalene	100	3330	100
2-Chlorophenol	100	3330	100
4-Chlorophenyl phenyl ether	100	3330	100
Chrysene	100	3330	100
Dibenz(a,h)anthracene	100	3330	100
Dibenzofuran	100	3330	100
Di-n-butyl phthalate	100	3330	100
1,2-Dichlorobenzene	100	3330	100
1,3-Dichlorobenzene	100	3330	100
1,4-Dichlorobenzene	100	3330	100
3,3'-Dichlorobenzidine[1]	100	3330	100
2,4-Dichlorophenol	100	3330	100
Diethylphthalate	100	3330	100
2,4-Dimethylphenol	100	3330	100
Dimethylphthalate	100	3330	100
4,6-Dinitro-2-methylphenol	100	3330	100
2,4-Dinitrophenol	100	3330	100
2,4-Dinitrotoluene	100	3330	100
2,6-Dinitrotoluene	100	3330	100
Di-n-octylphthalate	100	3330	100

Table 5			
LCS and MS/SD Spiking Components and Concentrations in the Sample			
Compound	Aqueous (µg/L)	Solid (µg/kg)	Air (µg)
Fluoranthene	100	3330	100
Fluorene	100	3330	100
Hexachlorobenzene	100	3330	100
Hexachlorobutadiene	100	3330	100
Hexachlorocyclopentadiene	100	3330	100
Hexachloroethane	100	3330	100
Indeno(1,2,3-cd)pyrene	100	3330	100
Isophorone	100	3330	100
2-Methylnaphthalene	100	3330	100
2-Methylphenol	100	3330	100
4-Methylphenol	200	6670	200
Naphthalene	100	3330	100
2-Nitroaniline	100	3330	100
3-Nitroaniline[1]	100	3330	100
4-Nitroaniline	100	3330	100
Nitrobenzene	100	3330	100
2-Nitrophenol	100	3330	100
4-Nitrophenol	100	3330	100
n-Nitrosodimethylamine	100	3330	100
n-Nitrosodiphenylamine	100	3330	100
n-Nitrosodi-n-propylamine	100	3330	100
2,2'-Oxybis(1-chloropropane)	100	3330	100
Pentachlorophenol	100	3330	100
Phenanthrene	100	3330	100
Phenol	100	3330	100
Pyrene	100	3330	100
1,2,4-Trichlorobenzene	100	3330	100
2,4,5-Trichlorophenol	100	3330	100
2,4,6-Trichlorophenol	100	3330	100

[1] These are poor performers.

Table 6			
Surrogate Compounds and Spiking Levels			
Compound	Aqueous ug/L	Solid ug/kg	Air ug
2-Fluorobiphenyl	50	1660	50
2-Fluorophenol	75	2500	100
2,4,6-Tribromophenol	75	2500	100
Nitrobenzene-d5	50	1660	50
Phenol-d5	75	2500	100
Terphenyl-d14	50	1660	50
2-Chlorophenol-d4	75	2500	100
1,2-Dichlorobenzene-d4[1]	50	1660	50

[1] For Air work, this compound is spiked onto the media during preparation, before the air sample is collected.

Table 7			
Internal Standard Solution			
Component	**Concentration in Solution µg/mL**	**Concentration in Extract µg/mL**	**ng on-column (1µL injection)**
1,4-Dichlorobenzene-d4	2000	40	40
Naphthalene-d8	2000	40	40
Acenaphthene-d10	2000	40	40
Phenanthrene-d10	2000	40	40
Chrysene-d12	2000	40	40
Perylene-d12	2000	40	40

Table 8			
Dilution Guidance			
Dilution Factor[1]	µL of Sample Extract	µL IS Solution	µL DCM
1x (undiluted)	1000	20	NA
2x	500	10	500
5x	200	16	800
10x	100	18	900
20x	50	19	950

[1] For further dilutions, make serial dilutions. In general, add 1 µL IS solution for every 50 µL DCM added to the extract. In all cases, the µL IS solution to be added assumes that the source solution (undiluted extract, previous extract dilution, etc) was already spiked with IS solution.

Table 9
Calibration Levels, Primary Standard, µg/mL

Analyte	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
Pyridine	5	10	20	50	80	120	160
n-Nitrosodimethylamine	5	10	20	50	80	120	160
Aniline	5	10	20	50	80	120	160
Phenol	5	10	20	50	80	120	160
bis(2-Chloroethyl)ether	5	10	20	50	80	120	160
2-Chlorophenol	5	10	20	50	80	120	160
1,3-Dichlorobenzene	5	10	20	50	80	120	160
1,4-Dichlorobenzene	5	10	20	50	80	120	160
Benzyl alcohol	5	10	20	50	80	120	160
1,2-Dichlorobenzene	5	10	20	50	80	120	160
2-Methylphenol	5	10	20	50	80	120	160
2,2'-Oxybis(1-chloropropane)[1]	5	10	20	50	80	120	160
4-Methylphenol	5	10	20	50	80	120	160
n-Nitroso-di-n-propylamine	5	10	20	50	80	120	160
Hexachloroethane	5	10	20	50	80	120	160
Nitrobenzene	5	10	20	50	80	120	160
Isophorone	5	10	20	50	80	120	160
2-Nitrophenol	5	10	20	50	80	120	160
2,4-Dimethylphenol	5	10	20	50	80	120	160
Benzoic acid	5	10	20	50	80	120	160
bis(2-chloroethoxy)methane	5	10	20	50	80	120	160
2,4-Dichlorophenol	5	10	20	50	80	120	160
1,2,4-Trichlorobenzene	5	10	20	50	80	120	160
Naphthalene	5	10	20	50	80	120	160
4-Chloroaniline	5	10	20	50	80	120	160
Hexachlorobutadiene	5	10	20	50	80	120	160
4-Chloro-3-methylphenol	5	10	20	50	80	120	160
2-Methylnaphthalene	5	10	20	50	80	120	160
Hexachlorocyclopentadiene	5	10	20	50	80	120	160
2,4,6-Trichlorophenol	5	10	20	50	80	120	160
2,4,5-Trichlorophenol	5	10	20	50	80	120	160
2-Chloronaphthalene	5	10	20	50	80	120	160
2-Nitroaniline	5	10	20	50	80	120	160
Dimethylphthalate	5	10	20	50	80	120	160
Acenaphthylene	5	10	20	50	80	120	160
3-Nitroaniline	5	10	20	50	80	120	160
Acenaphthene	5	10	20	50	80	120	160
2,4-Dinitrophenol	5	10	20	50	80	120	160
4-Nitrophenol	5	10	20	50	80	120	160
Dibenzofuran	5	10	20	50	80	120	160
2,4-Dinitrotoluene	5	10	20	50	80	120	160
2,6-Dinitrotoluene	5	10	20	50	80	120	160
Diethylphthalate	5	10	20	50	80	120	160
4-Chlorophenyl phenyl ether	5	10	20	50	80	120	160
Fluorene	5	10	20	50	80	120	160
4-Nitroaniline	5	10	20	50	80	120	160

Table 9
Calibration Levels, Primary Standard, µg/mL

Analyte	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
4,6-Dinitro-2-methylphenol	5	10	20	50	80	120	160
n-Nitrosodiphenylamine	5	10	20	50	80	120	160
Azobenzene[2]	5	10	20	50	80	120	160
4-Bromophenyl phenyl ether	5	10	20	50	80	120	160
Hexachlorobenzene	5	10	20	50	80	120	160
Pentachlorophenol	5	10	20	50	80	120	160
Phenanthrene	5	10	20	50	80	120	160
Anthracene	5	10	20	50	80	120	160
Carbazole	5	10	20	50	80	120	160
Di-n-butylphthalate	5	10	20	50	80	120	160
Fluoranthene	5	10	20	50	80	120	160
Benzidine	5	10	50	100	80	120	160
Pyrene	5	10	20	50	80	120	160
Butylbenzylphthalate	5	10	20	50	80	120	160
3,3'-Dichlorobenzidine	5	10	20	50	80	120	160
Benzo(a)anthracene	5	10	20	50	80	120	160
bis(2-Ethylhexyl)phthalate	5	10	20	50	80	120	160
Chrysene	5	10	20	50	80	120	160
Di-n-octylphthalate	5	10	20	50	80	120	160
Benzo(b)fluoranthene	5	10	20	50	80	120	160
Benzo(k)fluoranthene	5	10	20	50	80	120	160
Benzo(a)pyrene	5	10	20	50	80	120	160
Indeno(1,2,3-cd)pyrene	5	10	20	50	80	120	160
Dibenz(a,h)anthracene	5	10	20	50	80	120	160
Benzo(g,h,i)perylene	5	10	20	50	80	120	160

Calibration Levels, Surrogate Standard, µg/mL

Analyte	Level 1	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
2-Fluorophenol	5	10	20	50	80	120	160
Phenol-d5	5	10	20	50	80	120	160
2-Chlorophenol-d4	5	10	20	50	80	120	160
1,2-Dichlorobenzene-d4	5	10	20	50	80	120	160
Nitrobenzene-d5	5	10	20	50	80	120	160
2-Fluorobiphenyl	5	10	20	50	80	120	160
2,4,6-Tribromophenol	5	10	20	50	80	120	160
Terphenyl-d14	5	10	20	50	80	120	160

[1] 2,2'oxybis(1-chloropropane) was formerly known as bis(2-chloroisopropyl)ether
[2] Azobenzene is formed by decomposition of 1,2-diphenlyhydrazine. If 1,2-diphenylhydrazine is requested, it will be analyzed as azobenzene.

Table 10
Calibration Levels, Appendix IX Standard, µg/mL

Semivolatiles	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
2-Picoline	10	20	50	80	120	160
n-Nitrosomethylethylamine	10	20	50	80	120	160
Methyl methanesulfonate	10	20	50	80	120	160
n-Nitrosodiethylamine	10	20	50	80	120	160
Ethyl methanesulfonate	10	20	50	80	120	160
Pentachloroethane	10-	20	50	80	120	160
Acetophenone	10	20	50	80	120	160
n-Nitrosopyrrolidine	10	20	50	80	120	160
n-Nitrosomorpholine	10	20	50	80	120	160
o-Toluidine	10-	20	50	80	120	160
3-Methylphenol	10	20	50	80	120	160
n-Nitrosopiperidine	10	20	50	80	120	160
o,o,o-Triethyl-Phosphorothioate	10-	20	50	80	120	160
a,a-Dimethylphenethylamine	10-	20	50	80	120	160
2,6-Dichlorophenol	10	20	50	80	120	160
Hexachloropropene	10-	20	50	80	120	160
p-Phenylenediamine	10-	20	50	80	120	160
n-Nitrosodi-n-butylamine	10	20	50	80	120	160
Safrole	10-	20	50	80	120	160
1,2,4,5-Tetrachlorobenzene	10	20	50	80	120	160
Isosafrole 1 + 2	10-	20	50	80	120	160
1,4-Dinitrobenzene	10	20	50	80	120	160
1,4-Naphthoquinone	10-	20	50	80	120	160
1,3-Dinitrobenzene	10	20	50	80	120	160
Pentachlorobenzene	10	20	50	80	120	160
1-Naphthylamine	10	20	50	80	120	160
2-Naphthylamine	10	20	50	80	120	160
2,3,4,6-Tetrachlorophenol	10-	20	50	80	120	160
5-Nitro-o-toluidine	10-	20	50	80	120	160
Thionazin	10-	20	50	80	120	160
1,3,5-Trinitrobenzene	10-	20	50	80	120	160
Sulfotepp	10-	20	50	80	120	160
Phorate	10-	20	50	80	120	160
Phenacetin	10-	20	50	80	120	160
Diallate 1 + 2	10-	20	50	80	120	160
Dimethoate	10	20	50	80	120	160
4-Aminobiphenyl	10-	20	50	80	120	160
Pentachloronitrobenzene	10-	20	50	80	120	160
Pronamide	10-	20	50	80	120	160
Disulfoton	10-	20	50	80	120	160
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	10-	20	50	80	120	160
Methyl parathion	10-	20	50	80	120	160

Table 10
Calibration Levels, Appendix IX Standard, µg/mL

Semivolatiles	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
4-Nitroquinoline-1-oxide	10-	20	50	80	120	160
Parathion	10-	20	50	80	120	160
Isodrin	10	20	50	80	120	160
Kepone	10-	20	50	80	120	160
Famphur	10-	20	50	80	120	160
Methapyrilene	10-	20	50	80	120	160
Aramite 1 and 2	10-	20	50	80	120	160
p-(Dimethylamino)azobenzene	10-	20	50	80	120	160
p-Chlorobenzilate	10	20	50	80	120	160
3,3'-Dimethylbenzidine	10-	20	50	80	120	160
2-Acetylaminofluorene	10-	20	50	80	120	160
Dibenzo (a,j)acridine	10-	20	50	80	120	160
7,12-Dimethylbenz(a)anthracene	10-	20	50	80	120	160
3-Methylcholanthrene	10-	20	50	80	120	160

Method Modifications

>>> "Laver, Linda" <Linda.Laver@testamericainc.com> 8/8/2011 1:58 PM >>>

Below are the modifications we used for the various methods:

8260: Because of the interest in ethyl acetate added after initial discussions of screening with headspace technique (HSA), these samples were not screened utilizing the HSA. The HSA does not detect ethyl acetate. Samples were screened on the instruments.

8270: Treated as a waste dilution sample. For preparation of the samples, the extraction instructions in SOP WS-OP-0001 were modified to accommodate the sample matrix. Reporting limits will be 100 times the values reported for a waste matrix.
Step 1 - Take ~0.3g of each sample and dilute to 30mL in Methylene Chloride (DCM). Shake vigorously for 2 minutes, then sonic ate 5 min.

Step 2 - Take 1.0mL of each step-1 extract and dilute up to 10mL in fresh DCM (For the LCS, bring to volume, after the spike has been added). At this point, spike 0.05mL of a 4000ug/mL ABN surrogate solution (in DCM) to all samples/QC. For the LCS: spike 2mL of a 200ug/mL Spike std solution. Mix well. Deliver 1mL to GCMS.

Surrogate concentration will thus be 20ug/mL (extract concentration).
Spike analytes in LCS: will be 40ug/mL (extract concentration).

For all methods : Samples were extracted in batches of ten samples (or less) with one sample extracted in triplicate. No matrix spikes were required.

Please let me know if you have any questions regarding this information.

Enjoy the afternoon,

LINDA C. LAVER
Project Manager
Work hours M-F, 9:30-3:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

880 Riverside Parkway
West Sacramento, CA 95605
Office: 916 374 4362 | Fax: 916 372 1059
Linda.Laver@testamericainc.com
www.testamericainc.com

>>> "Laver, Linda" <Linda.Laver@testamericainc.com> 8/9/2011 3:26 PM >>>
Hi Dennis,

For the 8270 test, we used a disposable pipette to add the 0.3g of sample to a glass jar (weights were measured gravimetrically) after which, 30mL of Methylene Chloride were immediately added. Hope this helps. Please let me know if you need additional information.

Have a pleasant afternoon,

LINDA C. LAVER
Project Manager
Work hours M-F, 9:30-3:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

APPENDIX C

RAW DATA AND DATA QUALITY STATEMENTS FROM TEST AMERICA, INC.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: G1E200501
Client Project/Site: 10TA0213
Client Project Description: Nail Coatings

For:
Dept of Toxic Substances Control
1001 I Street, 12th Floor
PO Box 806
Sacramento, CA 95812-0806

Attn: Dennis Guo

Authorized for release by:
09/23/2011 12:47:47 PM

Linda C. Laver
Project Manager
linda.laver@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
*	Surrogate recovery is outside stated control limits.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Estimated result. Result is less than RL.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate recovery is outside stated control limits.

Metals

Qualifier	Qualifier Description
B	Estimated result. Result is less than RL and greater than or equal to the IDL.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
N	Spike sample recovery is outside control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

TestAmerica West Sacramento Project Number G1E200501

General Comments

The matrix of these samples is various nail coatings. After discussion with the client, it was decided that a matrix spike/matrix spike duplicate (MS/MSD) would not be of value since these samples were to be analyzed at significant dilutions. It was agreed that the samples would be analyzed with 10 or less samples per batch and each batch would include one sample to be analyzed in triplicate in lieu of the MS/MSD.

WASTE, 8260B, VOC's plus TIC's
Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
The surrogate recovery for 1,2-Dicholorethane-D4 in the associated laboratory control sample (LCS) is slightly below the recovery limits. The recovery of this surrogate falls within the acceptance range for the method blank and the samples with the exception of sample -0. Because the atypical matrix, the samples were not reanalyzed.

Samples: 1, 11, 21
These samples were analyzed in triplicate. Analytical results for all three analyses are reported as individual samples within the 8260 data.

Sample: 1
This sample was analyzed in triplicate. The surrogate recovery for toluene-d8 and 1,2-Dicholorethane-D4 are below the recovery limits in one of the analysis but they are within the limits for the other two analyses. Analytical results support each other for all 3 analyses. The sample was not reanalyzed.

Case Narrative

TestAmerica West Sacramento Project Number G1E200501

WASTE, 8270C, SVOC's plus TIC's
Samples: 1 through 25
The waste dilution preparation outlined in SOP WS-OP-0001 were modified to accommodate the sample matrix. The SOP deviation is outlined below. As a result, the reporting limits are 100 times normally reported for a waste matrix.

- Step 1: Approximately 0.3g of each sample was weighed and diluted to 30mL in Methylene Chloride (DCM). Mixture was shaken vigorously for 2 minutes and then sonicated for 5 minutes.
- Step 2: 1.0mL of each mixture from Step 1 was extracted and diluted to 10mL in fresh DCM (The LCS was brought to volume after the spike had been added). Then 0.05mL of a 4000ug/mL ABN surrogate solution (in DCM) was added to each samples and associated QC. The LCS was spiked with 2mL of a 200ug/mL spike standard solution. After thorough mixing sample extracts were submitted for analyses.
- Surrogate concentrations are 20ug/mL (extract concentration).
  Spike analytes in LCS are 40ug/mL (extract concentration).

Samples: 1, 2, 3, 4, 5, 6, 7, 8
The surrogate recovery for 2,4,6-Tribromophenol in the associated method blank (MB) is slightly below the recovery limits. The recovery of this surrogate falls within the acceptance range for the LCS and the samples. Because the atypical matrix, the samples were not reanalyzed.

Samples: 7, 15, 25
These samples were analyzed in triplicate. Analytical results for the duplicate and triplicate analyses are reported as the Sample Duplicate within the QC section.

WASTE, 6010B & 7471A, Metals
Samples: 5, 26
Sample 26 was created by the lab for the purpose of analyzing the requested triplicate. It is the same sample as sample 5, NPR-0517-E. Analytical results for NPR-0517-E are reported as sample 5, sample 26, and as the sample duplicate within the QC section.

There are no other anomalies associated with this project.

Detection Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-A — Lab Sample ID: G1E200501001

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	180000000		1200000	360000	ug/kg	5000		8260B	Total
Toluene	190000000		1200000	360000	ug/kg	5000		8260B	Total
Toluene	160000000		1200000	360000	ug/kg	5000		8260B	Total
Acetone	3400000		2500000	1200000	ug/kg	5000		8260B	Total
Acetone	3100000		2500000	1200000	ug/kg	5000		8260B	Total
Acetone	3200000		2500000	1200000	ug/kg	5000		8260B	Total
Di-n-butyl phthalate	82000		9300	4700	mg/kg	93.46		8270C	Total

Client Sample ID: NPR-0517-B — Lab Sample ID: G1E200501002

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	73000000		620000	180000	ug/kg	2500		8260B	Total

Client Sample ID: NPR-0517-C — Lab Sample ID: G1E200501003

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1800000		120000	36000	ug/kg	500		8260B	Total
Acetone	2700000		250000	120000	ug/kg	500		8260B	Total

Client Sample ID: NPR-0517-D — Lab Sample ID: G1E200501004

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	560000		500000	250000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0517-E — Lab Sample ID: G1E200501005

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	140000	J	250000	73000	ug/kg	1000		8260B	Total
4-Methyl-2-pentanone (MIBK)	2900000		500000	250000	ug/kg	1000		8260B	Total
Acetone	12000000		500000	250000	ug/kg	1000		8260B	Total
t-Butanol	7000000	J	12000000	6200000	ug/kg	1000		8260B	Total
Di-n-butyl phthalate	14000		9900	5000	mg/kg	99.01		8270C	Total
Arsenic	0.80	B	1.0	0.28	mg/kg	1		6010B	Total
Barium	237	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.024	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.33	B J	0.50	0.080	mg/kg	1		6010B	Total
Copper	0.17	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.18	B	0.50	0.15	mg/kg	1		6010B	Total
Molybdenum	0.80	B J	4.0	0.16	mg/kg	1		6010B	Total
Nickel	0.19	B	4.0	0.070	mg/kg	1		6010B	Total
Selenium	1.4	J	0.50	0.29	mg/kg	1		6010B	Total
Vanadium	0.14	B	5.0	0.040	mg/kg	1		6010B	Total

Client Sample ID: NPR-0517-F — Lab Sample ID: G1E200501006

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	69000000		500000	150000	ug/kg	2000		8260B	Total
Acetone	20000000		1000000	500000	ug/kg	2000		8260B	Total
t-Butanol	13000000	J	25000000	12000000	ug/kg	2000		8260B	Total
Di-n-butyl phthalate	70000		9300	4700	mg/kg	93.17		8270C	Total

Client Sample ID: NPR-0517-G — Lab Sample ID: G1E200501007

Detection Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-G (Continued) — Lab Sample ID: G1E200501007

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	680000		250000	73000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0517-G DUP — Lab Sample ID: G1E200501007X

No Detections

Client Sample ID: NPR-0517-H — Lab Sample ID: G1E200501008

No Detections

Client Sample ID: NPR-0517-I — Lab Sample ID: G1E200501009

No Detections

Client Sample ID: NPR-0517-J — Lab Sample ID: G1E200501010

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	9100000		250000	73000	ug/kg	1000		8260B	Total
4-Methyl-2-pentanone (MIBK)	420000	J	500000	250000	ug/kg	1000		8260B	Total
Acetone	3400000		500000	250000	ug/kg	1000		8260B	Total
Di-n-butyl phthalate	24000		9900	4900	mg/kg	98.68		8270C	Total

Client Sample ID: NPR-0517-K — Lab Sample ID: G1E200501011

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	25000000		250000	73000	ug/kg	1000		8260B	Total
Toluene	24000000		250000	73000	ug/kg	1000		8260B	Total
Toluene	24000000		250000	73000	ug/kg	1000		8260B	Total
Acetone	7300000		500000	250000	ug/kg	1000		8260B	Total
Acetone	650000		500000	250000	ug/kg	1000		8260B	Total
Acetone	630000		500000	250000	ug/kg	1000		8260B	Total
Di-n-butyl phthalate	23000		10000	5000	mg/kg	99.67		8270C	Total

Client Sample ID: NPR-0517-L — Lab Sample ID: G1E200501012

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	110000	J	250000	73000	ug/kg	1000		8260B	Total
Acetone	10000000		500000	250000	ug/kg	1000		8260B	Total
t-Butanol	7700000	J	12000000	6200000	ug/kg	1000		8260B	Total
Arsenic	0.31	B	1.0	0.28	mg/kg	1		6010B	Total
Barium	8.8	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.033	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.13	B J	0.50	0.080	mg/kg	1		6010B	Total
Lead	0.25	B	0.50	0.15	mg/kg	1		6010B	Total
Selenium	0.73	J	0.50	0.29	mg/kg	1		6010B	Total
Vanadium	0.057	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	0.77	B	2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0517-M * (re-tested) — Lab Sample ID: G1E200501013

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	850000		500000	250000	ug/kg	1000		8260B	Total
Di-n-butyl phthalate								8270C	Total

Detection Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-N — Lab Sample ID: G1E200501014

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	6600000		250000	73000	ug/kg	1000		8260B	Total
Acetone	8800000		500000	250000	ug/kg	1000		8260B	Total
Di-n-butyl phthalate	42000		9900	5000	mg/kg	99.34		8270C	Total

Client Sample ID: NPR-0517-O — Lab Sample ID: G1E200501015

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	42000	J	120000	36000	ug/kg	500		8260B	Total
Acetone	480000		250000	120000	ug/kg	500		8260B	Total
Barium	1.1	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.030	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.41	B J	0.50	0.080	mg/kg	1		6010B	Total
Cobalt	0.12	B	5.0	0.090	mg/kg	1		6010B	Total
Copper	0.47	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.16	B	0.50	0.15	mg/kg	1		6010B	Total
Nickel	0.36	B	4.0	0.070	mg/kg	1		6010B	Total
Vanadium	0.62	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	1.1	B	2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0517-O DUP — Lab Sample ID: G1E200501015X

No Detections

Client Sample ID: NPR-0518-A — Lab Sample ID: G1E200501016

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27000000		500000	250000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0518-B — Lab Sample ID: G1E200501017

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7000000		250000	120000	ug/kg	500		8260B	Total
Barium	0.50	B J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.032	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.13	B J	0.50	0.080	mg/kg	1		6010B	Total
Lead	0.19	B	0.50	0.15	mg/kg	1		6010B	Total
Molybdenum	0.21	B J	4.0	0.16	mg/kg	1		6010B	Total
Nickel	0.072	B	4.0	0.070	mg/kg	1		6010B	Total
Selenium	0.36	B J	0.50	0.29	mg/kg	1		6010B	Total
Vanadium	0.052	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	0.33	B	2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0518-C — Lab Sample ID: G1E200501018

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2800000		250000	120000	ug/kg	500		8260B	Total
t-Butanol	3800000	J	6200000	3100000	ug/kg	500		8260B	Total
Barium	6.2	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.020	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.40	B J	0.50	0.080	mg/kg	1		6010B	Total
Copper	0.31	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.19	B	0.50	0.15	mg/kg	1		6010B	Total
Nickel	0.074	B	4.0	0.070	mg/kg	1		6010B	Total
Selenium	0.53	J	0.50	0.29	mg/kg	1		6010B	Total

Client Sample ID: NPR-0518-C (Continued) — Lab Sample ID: G1E200501018

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.17	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	1.0	B	2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0518-D — Lab Sample ID: G1E200501019

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	150000	J	250000	45000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0518-E — Lab Sample ID: G1E200501020

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	160000		120000	36000	ug/kg	500		8260B	Total

Client Sample ID: NPR-0518-F — Lab Sample ID: G1E200501021

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	190000	J	250000	73000	ug/kg	1000		8260B	Total
Toluene	210000	J	250000	73000	ug/kg	1000		8260B	Total
Toluene	200000	J	250000	73000	ug/kg	1000		8260B	Total
t-Butanol	8500000	J	12000000	6200000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0518-G — Lab Sample ID: G1E200501022

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	76000	J	120000	36000	ug/kg	500		8260B	Total
Acetone	1200000		250000	120000	ug/kg	500		8260B	Total
Antimony	17.6		1.0	0.16	mg/kg	1		6010B	Total
Barium	0.26	B J	1.0	0.020	mg/kg	1		6010B	Total
Chromium	0.15	B J	0.50	0.080	mg/kg	1		6010B	Total
Cobalt	1.2	B	5.0	0.090	mg/kg	1		6010B	Total
Copper	22.1		2.5	0.090	mg/kg	1		6010B	Total
Lead	0.34	B	0.50	0.15	mg/kg	1		6010B	Total
Zinc	10.4		2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0518-H — Lab Sample ID: G1E200501023

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	130000000		1200000	360000	ug/kg	5000		8260B	Total
Di-n-butyl phthalate	88000		10000	5000	mg/kg	99.67		8270C	Total
Antimony	0.16	B	1.0	0.16	mg/kg	1		6010B	Total
Barium	206	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.032	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.17	B J	0.50	0.080	mg/kg	1		6010B	Total
Copper	0.15	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.32	B	0.50	0.15	mg/kg	1		6010B	Total
Vanadium	0.076	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	0.45	B	2.0	0.060	mg/kg	1		6010B	Total
Mercury	0.016	B	0.040	0.0050	mg/kg	1		7471A	Total

Client Sample ID: NPR-0518-I — Lab Sample ID: G1E200501024

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	10000000		250000	73000	ug/kg	1000		8260B	Total
Acetone	580000		500000	250000	ug/kg	1000		8260B	Total

Client Sample ID: NPR-0518-I (Continued) — Lab Sample ID: G1E200501024

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.78	B J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.042	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.090	B J	0.50	0.080	mg/kg	1		6010B	Total
Vanadium	0.067	B	5.0	0.040	mg/kg	1		6010B	Total
Zinc	0.55	B	2.0	0.060	mg/kg	1		6010B	Total

Client Sample ID: NPR-0518-J — Lab Sample ID: G1E200501025

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	360000		120000	36000	ug/kg	500		8260B	Total
m-Xylene & p-Xylene	43000	J	120000	36000	ug/kg	500		8260B	Total
4-Methyl-2-pentanone (MIBK)	560000		250000	120000	ug/kg	500		8260B	Total
Acetone	1600000		250000	120000	ug/kg	500		8260B	Total
Di-n-butyl phthalate	62000		9900	4900	mg/kg	98.68		8270C	Total
Antimony	0.16	B	1.0	0.16	mg/kg	1		6010B	Total
Barium	608	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.027	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.10	B J	0.50	0.080	mg/kg	1		6010B	Total
Cobalt	0.12	B	5.0	0.090	mg/kg	1		6010B	Total
Copper	0.11	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.44	B	0.50	0.15	mg/kg	1		6010B	Total
Selenium	0.42	B J	0.50	0.29	mg/kg	1		6010B	Total
Zinc	0.67	B	2.0	0.060	mg/kg	1		6010B	Total
Mercury	0.016	B	0.040	0.0050	mg/kg	1		7471A	Total

Client Sample ID: NPR-0518-J DUP — Lab Sample ID: G1E200501025X

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	60000		9900	4900	mg/kg	98.68		8270C	Total
Di-n-butyl phthalate	62000		10000	5000	mg/kg	101		8270C	Total

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE) — Lab Sample ID: G1E200501026

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.53	B	1.0	0.28	mg/kg	1		6010B	Total
Barium	223	J	1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.036	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.28	B J	0.50	0.080	mg/kg	1		6010B	Total
Copper	0.15	B	2.5	0.090	mg/kg	1		6010B	Total
Molybdenum	0.38	B J	4.0	0.16	mg/kg	1		6010B	Total
Nickel	0.17	B	4.0	0.070	mg/kg	1		6010B	Total
Selenium	1.3	J	0.50	0.29	mg/kg	1		6010B	Total
Vanadium	0.098	B	5.0	0.040	mg/kg	1		6010B	Total

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE) — Lab Sample ID: G1E200501026X

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.41	B	1.0	0.28	mg/kg	1		6010B	Total
Barium	234		1.0	0.020	mg/kg	1		6010B	Total
Beryllium	0.032	B	0.50	0.010	mg/kg	1		6010B	Total
Chromium	0.29	B	0.50	0.080	mg/kg	1		6010B	Total
Copper	0.10	B	2.5	0.090	mg/kg	1		6010B	Total
Lead	0.17	B	0.50	0.15	mg/kg	1		6010B	Total
Molybdenum	0.16	B	4.0	0.16	mg/kg	1		6010B	Total

Detection Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE) (Continued)

Lab Sample ID: G1E200501026X

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.16	B	4.0	0.070	mg/kg	1		6010B	Total
Selenium	0.56		0.50	0.29	mg/kg	1		6010B	Total
Vanadium	0.042	B	5.0	0.040	mg/kg	1		6010B	Total

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-A
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Dichlorodifluoromethane (Freon 12)	ND	Q	1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Dichlorodifluoromethane (Freon 12)	ND	Q	1200000	330000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Trichlorofluoromethane (Freon 11)	ND		1200000	920000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Trichlorofluoromethane (Freon 11)	ND		1200000	920000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Trichlorofluoromethane (Freon 11)	ND		1200000	920000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Chloromethane	ND		1200000	640000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Chloromethane	ND		1200000	640000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Chloromethane	ND		1200000	640000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Vinyl chloride	ND		1200000	800000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Vinyl chloride	ND		1200000	800000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Vinyl chloride	ND		1200000	800000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Bromomethane	ND		1200000	460000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Bromomethane	ND		1200000	460000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Bromomethane	ND		1200000	460000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Chloroethane	ND		1200000	870000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Chloroethane	ND		1200000	870000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Chloroethane	ND		1200000	870000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1-Dichloroethene	ND		1200000	740000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1-Dichloroethene	ND		1200000	740000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1-Dichloroethene	ND		1200000	740000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Methylene chloride	ND		2500000	660000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Methylene chloride	ND		2500000	660000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Methylene chloride	ND		2500000	660000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
trans-1,2-Dichloroethene	ND		1200000	560000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
trans-1,2-Dichloroethene	ND		1200000	560000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
trans-1,2-Dichloroethene	ND		1200000	560000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1-Dichloroethane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1-Dichloroethane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1-Dichloroethane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
2,2-Dichloropropane	ND		1200000	610000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
2,2-Dichloropropane	ND		1200000	610000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
2,2-Dichloropropane	ND		1200000	610000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Bromochloromethane	ND		1200000	440000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Bromochloromethane	ND		1200000	440000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Bromochloromethane	ND		1200000	440000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Chloroform	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Chloroform	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Chloroform	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1,1-Trichloroethane	ND		1200000	400000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1,1-Trichloroethane	ND		1200000	400000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1,1-Trichloroethane	ND		1200000	400000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Carbon tetrachloride	ND		1200000	680000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Carbon tetrachloride	ND		1200000	680000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Carbon tetrachloride	ND		1200000	680000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Benzene	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Benzene	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000

Client Sample ID: NPR-0517-A

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2-Dichloroethane	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2-Dichloroethane	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2-Dichloroethane	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Trichloroethene	ND		1200000	260000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Trichloroethene	ND		1200000	260000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Trichloroethene	ND		1200000	260000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2-Dichloropropane	ND		1200000	270000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2-Dichloropropane	ND		1200000	270000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2-Dichloropropane	ND		1200000	270000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Dibromomethane	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Dibromomethane	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Dibromomethane	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Bromodichloromethane	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Bromodichloromethane	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Bromodichloromethane	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
cis-1,3-Dichloropropene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
cis-1,3-Dichloropropene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
cis-1,3-Dichloropropene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Toluene	**180000000**		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Toluene	**190000000**		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Toluene	**160000000**		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
trans-1,3-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
trans-1,3-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
trans-1,3-Dichloropropene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1,2-Trichloroethane	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1,2-Trichloroethane	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1,2-Trichloroethane	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Tetrachloroethene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Tetrachloroethene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Tetrachloroethene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,3-Dichloropropane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,3-Dichloropropane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,3-Dichloropropane	ND		1200000	300000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Dibromochloromethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Dibromochloromethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Dibromochloromethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2-Dibromoethane (EDB)	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2-Dibromoethane (EDB)	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2-Dibromoethane (EDB)	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Chlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Chlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Chlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1,1,2-Tetrachloroethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1,1,2-Tetrachloroethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1,1,2-Tetrachloroethane	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Ethylbenzene	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Ethylbenzene	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Ethylbenzene	ND		1200000	280000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
m-Xylene & p-Xylene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-A
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
m-Xylene & p-Xylene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
o-Xylene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
o-Xylene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
o-Xylene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Styrene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Styrene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Styrene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Bromoform	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Bromoform	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Bromoform	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Isopropylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Isopropylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Isopropylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Bromobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Bromobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Bromobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,1,2,2-Tetrachloroethane	ND		1200000	390000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,1,2,2-Tetrachloroethane	ND		1200000	390000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,1,2,2-Tetrachloroethane	ND		1200000	390000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2,3-Trichloropropane	ND		1200000	380000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2,3-Trichloropropane	ND		1200000	380000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2,3-Trichloropropane	ND		1200000	380000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
n-Propylbenzene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
n-Propylbenzene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
n-Propylbenzene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
2-Chlorotoluene	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
2-Chlorotoluene	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
2-Chlorotoluene	ND		1200000	150000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
4-Chlorotoluene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
4-Chlorotoluene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
4-Chlorotoluene	ND		1200000	170000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,3,5-Trimethylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,3,5-Trimethylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,3,5-Trimethylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
tert-Butylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
tert-Butylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
tert-Butylbenzene	ND		1200000	120000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2,4-Trimethylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2,4-Trimethylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2,4-Trimethylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
sec-Butylbenzene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
sec-Butylbenzene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
sec-Butylbenzene	ND		1200000	140000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,3-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,3-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,3-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
p-Isopropyltoluene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
p-Isopropyltoluene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
p-Isopropyltoluene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000

Client Sample ID: NPR-0517-A

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,4-Dichlorobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,4-Dichlorobenzene	ND		1200000	240000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2-Dichlorobenzene	ND		1200000	190000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
n-Butylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
n-Butylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
n-Butylbenzene	ND		1200000	180000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2-Dibromo-3-chloropropane (DBCP)	ND		2500000	770000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2-Dibromo-3-chloropropane (DBCP)	ND		2500000	770000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2-Dibromo-3-chloropropane (DBCP)	ND		2500000	770000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2,4-Trichlorobenzene	ND		1200000	210000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2,4-Trichlorobenzene	ND		1200000	210000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2,4-Trichlorobenzene	ND		1200000	210000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Hexachlorobutadiene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Hexachlorobutadiene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Hexachlorobutadiene	ND		1200000	220000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Naphthalene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Naphthalene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Naphthalene	ND		1200000	360000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
1,2,3-Trichlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
1,2,3-Trichlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
1,2,3-Trichlorobenzene	ND		1200000	160000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
cis-1,2-Dichloroethene	ND		1200000	660000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
cis-1,2-Dichloroethene	ND		1200000	660000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
cis-1,2-Dichloroethene	ND		1200000	660000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
2-Butanone (MEK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
2-Butanone (MEK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
2-Butanone (MEK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
2-Hexanone	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
2-Hexanone	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
2-Hexanone	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
4-Methyl-2-pentanone (MIBK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
4-Methyl-2-pentanone (MIBK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
4-Methyl-2-pentanone (MIBK)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Acetone	**3400000**		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Acetone	**3100000**		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Acetone	**3200000**		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
Methyl tert-butyl ether (MTBE)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
Methyl tert-butyl ether (MTBE)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
Methyl tert-butyl ether (MTBE)	ND		2500000	1200000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000
t-Butanol	ND		62000000	31000000	ug/kg		06/01/11 10:03	06/01/11 13:24	5000
t-Butanol	ND		62000000	31000000	ug/kg		06/01/11 10:03	06/01/11 13:48	5000
t-Butanol	ND		62000000	31000000	ug/kg		06/01/11 10:03	06/01/11 14:58	5000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetae	*36000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 13:24*	*5000*
Ethyl Acetate	*33000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 13:48*	*5000*
Ethyl Acetate	*33000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 14:58*	*5000*

Client Sample ID: NPR-0517-A
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
unknown	6000000		ug/kg		5.15		06/01/11 10:03	06/01/11 13:24	5000
unknown	5300000		ug/kg		5.15		06/01/11 10:03	06/01/11 13:48	5000
Unknown	5500000		ug/kg		5.15		06/01/11 10:03	06/01/11 14:58	5000
Acetic Acid, Butyl Ester	130000000		ug/kg		7.45		06/01/11 10:03	06/01/11 13:48	5000
Acetic Acid, Butyl Ester	120000000		ug/kg		7.45		06/01/11 10:03	06/01/11 14:58	5000
Acetic acid,butyl ester	140000000		ug/kg		7.45		06/01/11 10:03	06/01/11 13:24	5000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	85		67 - 123	06/01/11 10:03	06/01/11 13:24	5000
Dibromofluoromethane	89		67 - 123	06/01/11 10:03	06/01/11 13:48	5000
Dibromofluoromethane	91		67 - 123	06/01/11 10:03	06/01/11 14:58	5000
1,2-Dichloroethane-d4	81	*	84 - 119	06/01/11 10:03	06/01/11 13:24	5000
1,2-Dichloroethane-d4	86		84 - 119	06/01/11 10:03	06/01/11 13:48	5000
1,2-Dichloroethane-d4	91		84 - 119	06/01/11 10:03	06/01/11 14:58	5000
Toluene-d8	82	*	85 - 122	06/01/11 10:03	06/01/11 13:24	5000
Toluene-d8	95		85 - 122	06/01/11 10:03	06/01/11 13:48	5000
Toluene-d8	94		85 - 122	06/01/11 10:03	06/01/11 14:58	5000
4-Bromofluorobenzene	101		87 - 119	06/01/11 10:03	06/01/11 13:24	5000
4-Bromofluorobenzene	101		87 - 119	06/01/11 10:03	06/01/11 13:48	5000
4-Bromofluorobenzene	102		87 - 119	06/01/11 10:03	06/01/11 14:58	5000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Acenaphthylene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Benz(a)anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Benzo(b)fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Benzo(k)fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Benzo(ghi)perylene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Benzo(a)pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
bis(2-Chloroethoxy)methane	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
bis(2-Chloroethyl) ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
bis(2-Chloroisopropyl) ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
bis(2-Ethylhexyl) phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Bromophenyl phenyl ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Butyl benzyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Chloroaniline	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Chloro-3-methylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Chloronaphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Chlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Chlorophenyl phenyl ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Chrysene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Dibenz(a,h)anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Dibenzofuran	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Di-n-butyl phthalate	**82000**		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
1,2-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
1,3-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
1,4-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
3,3'-Dichlorobenzidine	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-A

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501001

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Diethyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,4-Dimethylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Dimethyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4,6-Dinitro-2-methylphenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,4-Dinitrophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,4-Dinitrotoluene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,6-Dinitrotoluene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Di-n-octyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Fluorene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Hexachlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Hexachlorobutadiene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Hexachlorocyclopentadiene	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Hexachloroethane	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Indeno(1,2,3-cd)pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Isophorone	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Methylnaphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Methylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
3-Methylphenol & 4-Methylphenol	ND		19000	9300	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Naphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
3-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Nitrobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2-Nitrophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
4-Nitrophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
N-Nitrosodiphenylamine	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
N-Nitrosodi-n-propylamine	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Pentachlorophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Phenanthrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Phenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
Pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
1,2,4-Trichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,4,5-Trichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46
2,4,6-Trichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 20:57	93.46

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*220000*		*mg/kg*		*2.26*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Unknown	*230000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*9200*		*mg/kg*		*5.44*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Unknown	*4800*		*mg/kg*		*8.62*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Benzenesulfonamide, 4methyl-	*4000*		*mg/kg*		*9.00*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Unknown	*8500*		*mg/kg*		*12.86*		*06/13/11 12:00*	*06/23/11 20:57*	*93.46*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*62 - 121*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
2-Fluorophenol	*103*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Nitrobenzene-d5	*96*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
Phenol-d5	*101*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*

Client Sample ID: NPR-0517-A

Lab Sample ID: G1E200501001

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*104*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*
2,4,6-Tribromophenol	*89*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:57*	*93.46*

Client Sample ID: NPR-0517-B

Lab Sample ID: G1E200501002

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	620000	160000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Trichlorofluoromethane (Freon 11)	ND		620000	460000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Chloromethane	ND		620000	320000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Vinyl chloride	ND		620000	400000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Bromomethane	ND		620000	230000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Chloroethane	ND		620000	440000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1-Dichloroethene	ND		620000	370000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Methylene chloride	ND		1200000	330000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
trans-1,2-Dichloroethene	ND		620000	280000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1-Dichloroethane	ND		620000	150000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
2,2-Dichloropropane	ND		620000	300000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Bromochloromethane	ND		620000	220000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Chloroform	ND		620000	150000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1,1-Trichloroethane	ND		620000	200000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Carbon tetrachloride	ND		620000	340000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1-Dichloropropene	ND		620000	110000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Benzene	ND		620000	160000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2-Dichloroethane	ND		620000	140000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Trichloroethene	ND		620000	130000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2-Dichloropropane	ND		620000	140000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Dibromomethane	ND		620000	160000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Bromodichloromethane	ND		620000	120000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
cis-1,3-Dichloropropene	ND		620000	180000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Toluene	**73000000**		620000	180000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
trans-1,3-Dichloropropene	ND		620000	110000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1,2-Trichloroethane	ND		620000	180000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Tetrachloroethene	ND		620000	90000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,3-Dichloropropane	ND		620000	150000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Dibromochloromethane	ND		620000	70000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2-Dibromoethane (EDB)	ND		620000	75000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Chlorobenzene	ND		620000	80000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1,1,2-Tetrachloroethane	ND		620000	70000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Ethylbenzene	ND		620000	140000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
m-Xylene & p-Xylene	ND		620000	180000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
o-Xylene	ND		620000	110000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Styrene	ND		620000	72000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Bromoform	ND		620000	75000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Isopropylbenzene	ND		620000	62000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Bromobenzene	ND		620000	120000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,1,2,2-Tetrachloroethane	ND		620000	200000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500

Client Sample ID: NPR-0517-B
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501002
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		620000	190000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
n-Propylbenzene	ND		620000	85000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
2-Chlorotoluene	ND		620000	75000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
4-Chlorotoluene	ND		620000	85000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,3,5-Trimethylbenzene	ND		620000	62000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
tert-Butylbenzene	ND		620000	62000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2,4-Trimethylbenzene	ND		620000	88000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
sec-Butylbenzene	ND		620000	70000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,3-Dichlorobenzene	ND		620000	95000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
p-Isopropyltoluene	ND		620000	78000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,4-Dichlorobenzene	ND		620000	120000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2-Dichlorobenzene	ND		620000	95000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
n-Butylbenzene	ND		620000	90000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2-Dibromo-3-chloropropane (DBCP)	ND		1200000	380000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2,4-Trichlorobenzene	ND		620000	100000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Hexachlorobutadiene	ND		620000	110000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Naphthalene	ND		620000	180000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
1,2,3-Trichlorobenzene	ND		620000	78000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
cis-1,2-Dichloroethene	ND		620000	330000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
2-Butanone (MEK)	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
2-Hexanone	ND		620000	310000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
4-Methyl-2-pentanone (MIBK)	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Acetone	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
Methyl tert-butyl ether (MTBE)	ND		1200000	620000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500
t-Butanol	ND		31000000	16000000	ug/kg		06/01/11 10:03	06/01/11 14:11	2500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*110000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 14:11*	*2500*
Unknown	*2200000*		*ug/kg*		*5.14*		*06/01/11 10:03*	*06/01/11 14:11*	*2500*
Acetic Acid, butyl ester	*83000000*		*ug/kg*		*7.45*		*06/01/11 10:03*	*06/01/11 14:11*	*2500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*67 - 123*	*06/01/11 10:03*	*06/01/11 14:11*	*2500*
1,2-Dichloroethane-d4	*86*		*84 - 119*	*06/01/11 10:03*	*06/01/11 14:11*	*2500*
Toluene-d8	*92*		*85 - 122*	*06/01/11 10:03*	*06/01/11 14:11*	*2500*
4-Bromofluorobenzene	*106*		*87 - 119*	*06/01/11 10:03*	*06/01/11 14:11*	*2500*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Acenaphthylene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Anthracene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Benz(a)anthracene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Benzo(b)fluoranthene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Benzo(k)fluoranthene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Benzo(ghi)perylene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Benzo(a)pyrene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
bis(2-Chloroethoxy)methane	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
bis(2-Chloroethyl) ether	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
bis(2-Chloroisopropyl) ether	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
bis(2-Ethylhexyl) phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1

Client Sample ID: NPR-0517-B
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501002
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Butyl benzyl phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4-Chloroaniline	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4-Chloro-3-methylphenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Chloronaphthalene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Chlorophenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4-Chlorophenyl phenyl ether	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Chrysene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Dibenz(a,h)anthracene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Dibenzofuran	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Di-n-butyl phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
1,2-Dichlorobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
1,3-Dichlorobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
1,4-Dichlorobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
3,3'-Dichlorobenzidine	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,4-Dichlorophenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Diethyl phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,4-Dimethylphenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Dimethyl phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4,6-Dinitro-2-methylphenol	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,4-Dinitrophenol	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,4-Dinitrotoluene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,6-Dinitrotoluene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Di-n-octyl phthalate	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Fluoranthene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Fluorene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Hexachlorobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Hexachlorobutadiene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Hexachlorocyclopentadiene	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Hexachloroethane	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Indeno(1,2,3-cd)pyrene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Isophorone	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Methylnaphthalene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Methylphenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
3-Methylphenol & 4-Methylphenol	ND		21000	10000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Naphthalene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Nitroaniline	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
3-Nitroaniline	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4-Nitroaniline	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Nitrobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2-Nitrophenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
4-Nitrophenol	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
N-Nitrosodiphenylamine	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
N-Nitrosodi-n-propylamine	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Pentachlorophenol	ND		52000	26000	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Phenanthrene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Phenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
Pyrene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
1,2,4-Trichlorobenzene	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1
2,4,5-Trichlorophenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1

Client Sample ID: NPR-0517-B

Lab Sample ID: G1E200501002

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10000	5200	mg/kg		06/13/11 12:00	06/23/11 21:23	103.1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*110000*		*mg/kg*		*2.26*		*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
Acetic acid, butyl ester	*200000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
Butyl citrate	*21000*		*mg/kg*		*12.86*		*06/13/11 12:00*	*06/23/11 21:23*	*103.1*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*62 - 121*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
2-Fluorophenol	*93*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
Nitrobenzene-d5	*92*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
Phenol-d5	*97*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
Terphenyl-d14	*98*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*
2,4,6-Tribromophenol	*81*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:23*	*103.1*

Client Sample ID: NPR-0517-C

Lab Sample ID: G1E200501003

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	120000	33000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Chloromethane	ND		120000	64000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Vinyl chloride	ND		120000	80000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Bromomethane	ND		120000	46000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Chloroethane	ND		120000	87000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Methylene chloride	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Bromochloromethane	ND		120000	44000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Chloroform	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Benzene	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Trichloroethene	ND		120000	26000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Dibromomethane	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Toluene	**1800000**		120000	36000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 14:34	500

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-C
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501003
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Chlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Ethylbenzene	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
o-Xylene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Styrene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Bromoform	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Bromobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Naphthalene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
2-Hexanone	ND		120000	62000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Acetone	**2700000**		250000	120000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 14:34	500
t-Butanol	ND		6200000	3100000	ug/kg		06/01/11 10:03	06/01/11 14:34	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*4100000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 14:34*	*500*
Ethyl Acetat	*100000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 14:34*	*500*
3-Methylhexane	*680000*		*ug/kg*		*4.93*		*06/01/11 10:03*	*06/01/11 14:34*	*500*
Acetic Acid, 1-methylethyl ester	*990000*		*ug/kg*		*5.14*		*06/01/11 10:03*	*06/01/11 14:34*	*500*
Unknown	*720000*		*ug/kg*		*5.30*		*06/01/11 10:03*	*06/01/11 14:34*	*500*
Acetic Acid, Butyl Ester	*69000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 14:34*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*67 - 123*	*06/01/11 10:03*	*06/01/11 14:34*	*500*
1,2-Dichloroethane-d4	*90*		*84 - 119*	*06/01/11 10:03*	*06/01/11 14:34*	*500*
Toluene-d8	*93*		*85 - 122*	*06/01/11 10:03*	*06/01/11 14:34*	*500*
4-Bromofluorobenzene	*100*		*87 - 119*	*06/01/11 10:03*	*06/01/11 14:34*	*500*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-C
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501003
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Acenaphthylene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Anthracene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Benz(a)anthracene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Benzo(b)fluoranthene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Benzo(k)fluoranthene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Benzo(ghi)perylene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Benzo(a)pyrene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
bis(2-Chloroethoxy)methane	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
bis(2-Chloroethyl) ether	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
bis(2-Chloroisopropyl) ether	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
bis(2-Ethylhexyl) phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4-Bromophenyl phenyl ether	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Butyl benzyl phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4-Chloroaniline	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4-Chloro-3-methylphenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Chloronaphthalene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Chlorophenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4-Chlorophenyl phenyl ether	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Chrysene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Dibenz(a,h)anthracene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Dibenzofuran	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Di-n-butyl phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
1,2-Dichlorobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
1,3-Dichlorobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
1,4-Dichlorobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
3,3'-Dichlorobenzidine	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4-Dichlorophenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Diethyl phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4-Dimethylphenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Dimethyl phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4,6-Dinitro-2-methylphenol	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4-Dinitrophenol	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4-Dinitrotoluene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,6-Dinitrotoluene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Di-n-octyl phthalate	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Fluoranthene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Fluorene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Hexachlorobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Hexachlorobutadiene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Hexachlorocyclopentadiene	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Hexachloroethane	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Indeno(1,2,3-cd)pyrene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Isophorone	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Methylnaphthalene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Methylphenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
3-Methylphenol & 4-Methylphenol	ND		20000	9800	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Naphthalene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Nitroaniline	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
3-Nitroaniline	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72

Client Sample ID: NPR-0517-C

Lab Sample ID: G1E200501003

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Nitrobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2-Nitrophenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
4-Nitrophenol	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
N-Nitrosodiphenylamine	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
N-Nitrosodi-n-propylamine	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Pentachlorophenol	ND		49000	24000	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Phenanthrene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Phenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
Pyrene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
1,2,4-Trichlorobenzene	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4,5-Trichlorophenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72
2,4,6-Trichlorophenol	ND		9800	4900	mg/kg		06/13/11 12:00	06/23/11 21:48	97.72

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
Unknown	*23000*		*mg/kg*		*8.51*		*06/13/11 12:00*	*06/23/11 21:48*	*97.72*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*105*		*62 - 121*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
2-Fluorophenol	*97*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
Nitrobenzene-d5	*91*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
Phenol-d5	*99*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
Terphenyl-d14	*105*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*
2,4,6-Tribromophenol	*89*		*50 - 150*	*06/13/11 12:00*	*06/23/11 21:48*	*97.72*

Client Sample ID: NPR-0517-D

Lab Sample ID: G1E200501004

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-D
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501004
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Toluene	ND		250000	73000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Acetone	**560000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 15:22	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1200000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 15:22*	*1000*

Client Sample ID: NPR-0517-D
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501004
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	74000000		ug/kg		4.40		06/01/11 10:03	06/01/11 15:22	1000
Unknown	510000		ug/kg		5.15		06/01/11 10:03	06/01/11 15:22	1000
n-Propyl Acetate	35000000		ug/kg		5.98		06/01/11 10:03	06/01/11 15:22	1000
Acetic Acid, butyl ester	100000000		ug/kg		7.46		06/01/11 10:03	06/01/11 15:22	1000
Bicylo¬2.2.1¦heptan-2-one,17,7-trimet	720000		ug/kg		12.09		06/01/11 10:03	06/01/11 15:22	1000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	90		67 - 123	06/01/11 10:03	06/01/11 15:22	1000
1,2-Dichloroethane-d4	92		84 - 119	06/01/11 10:03	06/01/11 15:22	1000
Toluene-d8	93		85 - 122	06/01/11 10:03	06/01/11 15:22	1000
4-Bromofluorobenzene	103		87 - 119	06/01/11 10:03	06/01/11 15:22	1000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Acenaphthylene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Anthracene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Benz(a)anthracene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Benzo(b)fluoranthene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Benzo(k)fluoranthene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Benzo(ghi)perylene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Benzo(a)pyrene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
bis(2-Chloroethoxy)methane	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
bis(2-Chloroethyl) ether	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
bis(2-Chloroisopropyl) ether	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
bis(2-Ethylhexyl) phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Bromophenyl phenyl ether	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Butyl benzyl phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Chloroaniline	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Chloro-3-methylphenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Chloronaphthalene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Chlorophenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Chlorophenyl phenyl ether	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Chrysene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Dibenz(a,h)anthracene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Dibenzofuran	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Di-n-butyl phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
1,2-Dichlorobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
1,3-Dichlorobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
1,4-Dichlorobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
3,3'-Dichlorobenzidine	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4-Dichlorophenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Diethyl phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4-Dimethylphenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Dimethyl phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4,6-Dinitro-2-methylphenol	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4-Dinitrophenol	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4-Dinitrotoluene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,6-Dinitrotoluene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Di-n-octyl phthalate	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-D

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501004

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Fluorene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Hexachlorobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Hexachlorobutadiene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Hexachlorocyclopentadiene	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Hexachloroethane	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Indeno(1,2,3-cd)pyrene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Isophorone	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Methylnaphthalene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Methylphenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Naphthalene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Nitroaniline	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
3-Nitroaniline	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Nitroaniline	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Nitrobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2-Nitrophenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
4-Nitrophenol	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
N-Nitrosodiphenylamine	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
N-Nitrosodi-n-propylamine	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Pentachlorophenol	ND		49000	25000	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Phenanthrene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Phenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
Pyrene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
1,2,4-Trichlorobenzene	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4,5-Trichlorophenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68
2,4,6-Trichlorophenol	ND		9900	4900	mg/kg		06/13/11 12:00	06/23/11 22:14	98.68

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*81000*		*mg/kg*		*1.85*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Unknown	*220000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*8100*		*mg/kg*		*5.44*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Unknown	*24000*		*mg/kg*		*8.51*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Benzenesulfonamide, N-ethyl-2-methyl-	*6700*		*mg/kg*		*8.96*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Unknown	*4700*		*mg/kg*		*9.00*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Tributyl phosphate	*19000*		*mg/kg*		*13.87*		*06/13/11 12:00*	*06/23/11 22:14*	*98.68*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*62 - 121*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
2-Fluorophenol	*104*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Nitrobenzene-d5	*96*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Phenol-d5	*102*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
Terphenyl-d14	*102*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*
2,4,6-Tribromophenol	*93*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:14*	*98.68*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-E

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501005

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Toluene	**140000**	**J**	250000	73000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000

Client Sample ID: NPR-0517-E

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501005

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
4-Methyl-2-pentanone (MIBK)	**2900000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Acetone	**12000000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000
t-Butanol	**7000000**	**J**	12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 15:45	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*55000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 15:45*	*1000*
Acetic Acid, 1-methyl ester	*10000000*		*ug/kg*		*5.14*		*06/01/11 10:03*	*06/01/11 15:45*	*1000*
unknown	*650000*		*ug/kg*		*5.98*		*06/01/11 10:03*	*06/01/11 15:45*	*1000*
Acetic acid, butyl ester	*65000000*		*ug/kg*		*7.45*		*06/01/11 10:03*	*06/01/11 15:45*	*1000*
Bicyclo{2.2.1}heptan-2-one,1,7,7-trim et	*570000*		*ug/kg*		*12.09*		*06/01/11 10:03*	*06/01/11 15:45*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89*		*67 - 123*	*06/01/11 10:03*	*06/01/11 15:45*	*1000*
1,2-Dichloroethane-d4	*92*		*84 - 119*	*06/01/11 10:03*	*06/01/11 15:45*	*1000*
Toluene-d8	*93*		*85 - 122*	*06/01/11 10:03*	*06/01/11 15:45*	*1000*
4-Bromofluorobenzene	*104*		*87 - 119*	*06/01/11 10:03*	*06/01/11 15:45*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Acenaphthylene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Anthracene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Benz(a)anthracene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Benzo(b)fluoranthene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Benzo(k)fluoranthene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Benzo(ghi)perylene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Benzo(a)pyrene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
bis(2-Chloroethoxy)methane	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
bis(2-Chloroethyl) ether	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
bis(2-Chloroisopropyl) ether	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
bis(2-Ethylhexyl) phthalate	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Bromophenyl phenyl ether	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Butyl benzyl phthalate	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Chloroaniline	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Chloro-3-methylphenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Chloronaphthalene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Chlorophenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Chlorophenyl phenyl ether	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01

Client Sample ID: NPR-0517-E
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501005
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Dibenz(a,h)anthracene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Dibenzofuran	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Di-n-butyl phthalate	**14000**		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
1,2-Dichlorobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
1,3-Dichlorobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
1,4-Dichlorobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4-Dichlorophenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Diethyl phthalate	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4-Dimethylphenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Dimethyl phthalate	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4-Dinitrotoluene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,6-Dinitrotoluene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Di-n-octyl phthalate	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Fluoranthene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Fluorene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Hexachlorobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Hexachlorobutadiene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Hexachloroethane	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Indeno(1,2,3-cd)pyrene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Isophorone	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Methylnaphthalene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Methylphenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Naphthalene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
3-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Nitrobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2-Nitrophenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
4-Nitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
N-Nitrosodiphenylamine	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
N-Nitrosodi-n-propylamine	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Pentachlorophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Phenanthrene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Phenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
Pyrene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
1,2,4-Trichlorobenzene	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4,5-Trichlorophenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01
2,4,6-Trichlorophenol	ND		9900	5000	mg/kg		06/13/11 12:00	06/23/11 22:39	99.01

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*10000*		*mg/kg*		*5.44*		*06/13/11 12:00*	*06/23/11 22:39*	*99.01*

Client Sample ID: NPR-0517-E

Lab Sample ID: G1E200501005

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*62 - 121*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
2-Fluorophenol	*102*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
Nitrobenzene-d5	*97*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
Phenol-d5	*101*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
Terphenyl-d14	*106*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*
2,4,6-Tribromophenol	*85*		*50 - 150*	*06/13/11 12:00*	*06/23/11 22:39*	*99.01*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Arsenic	**0.80**	**B**	1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Barium	**237**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Beryllium	**0.024**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Chromium	**0.33**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Copper	**0.17**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Lead	**0.18**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Molybdenum	**0.80**	**B J**	4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Nickel	**0.19**	**B**	4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Selenium	**1.4**	**J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Vanadium	**0.14**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:23	1
Zinc	ND		2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:23	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:22	1

Client Sample ID: NPR-0517-F

Lab Sample ID: G1E200501006

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	500000	130000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Trichlorofluoromethane (Freon 11)	ND		500000	370000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Chloromethane	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Vinyl chloride	ND		500000	320000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Bromomethane	ND		500000	190000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Chloroethane	ND		500000	350000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1-Dichloroethene	ND		500000	300000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Methylene chloride	ND		1000000	260000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
trans-1,2-Dichloroethene	ND		500000	220000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1-Dichloroethane	ND		500000	120000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
2,2-Dichloropropane	ND		500000	240000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Bromochloromethane	ND		500000	170000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Chloroform	ND		500000	120000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1,1-Trichloroethane	ND		500000	160000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-F
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501006
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		500000	270000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1-Dichloropropene	ND		500000	88000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Benzene	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2-Dichloroethane	ND		500000	110000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Trichloroethene	ND		500000	100000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2-Dichloropropane	ND		500000	110000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Dibromomethane	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Bromodichloromethane	ND		500000	98000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
cis-1,3-Dichloropropene	ND		500000	140000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Toluene	**69000000**		500000	150000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
trans-1,3-Dichloropropene	ND		500000	90000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1,2-Trichloroethane	ND		500000	140000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Tetrachloroethene	ND		500000	72000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,3-Dichloropropane	ND		500000	120000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Dibromochloromethane	ND		500000	56000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2-Dibromoethane (EDB)	ND		500000	60000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Chlorobenzene	ND		500000	64000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1,1,2-Tetrachloroethane	ND		500000	56000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Ethylbenzene	ND		500000	110000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
m-Xylene & p-Xylene	ND		500000	140000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
o-Xylene	ND		500000	90000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Styrene	ND		500000	58000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Bromoform	ND		500000	60000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Isopropylbenzene	ND		500000	50000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Bromobenzene	ND		500000	98000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,1,2,2-Tetrachloroethane	ND		500000	160000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2,3-Trichloropropane	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
n-Propylbenzene	ND		500000	68000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
2-Chlorotoluene	ND		500000	60000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
4-Chlorotoluene	ND		500000	68000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,3,5-Trimethylbenzene	ND		500000	50000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
tert-Butylbenzene	ND		500000	50000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2,4-Trimethylbenzene	ND		500000	70000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
sec-Butylbenzene	ND		500000	56000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,3-Dichlorobenzene	ND		500000	76000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
p-Isopropyltoluene	ND		500000	62000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,4-Dichlorobenzene	ND		500000	98000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2-Dichlorobenzene	ND		500000	76000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
n-Butylbenzene	ND		500000	72000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2-Dibromo-3-chloropropane (DBCP)	ND		1000000	310000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2,4-Trichlorobenzene	ND		500000	84000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Hexachlorobutadiene	ND		500000	88000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Naphthalene	ND		500000	140000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
1,2,3-Trichlorobenzene	ND		500000	62000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
cis-1,2-Dichloroethene	ND		500000	260000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
2-Butanone (MEK)	ND		1000000	500000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
2-Hexanone	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
4-Methyl-2-pentanone (MIBK)	ND		1000000	500000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Acetone	**20000000**		1000000	500000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000
Methyl tert-butyl ether (MTBE)	ND		1000000	500000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-F
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501006
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butanol	13000000	J	25000000	12000000	ug/kg		06/01/11 10:03	06/01/11 16:09	2000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*30000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 16:09*	*2000*
Acetic Acid, 1-methyl ester	*8500000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 16:09*	*2000*
Acetic Acid, butyl ester	*86000000*		*ug/kg*		*7.45*		*06/01/11 10:03*	*06/01/11 16:09*	*2000*
Unknown	*1500000*		*ug/kg*		*8.79*		*06/01/11 10:03*	*06/01/11 16:09*	*2000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*87*		*67 - 123*	*06/01/11 10:03*	*06/01/11 16:09*	*2000*
1,2-Dichloroethane-d4	*90*		*84 - 119*	*06/01/11 10:03*	*06/01/11 16:09*	*2000*
Toluene-d8	*93*		*85 - 122*	*06/01/11 10:03*	*06/01/11 16:09*	*2000*
4-Bromofluorobenzene	*103*		*87 - 119*	*06/01/11 10:03*	*06/01/11 16:09*	*2000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Acenaphthylene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Benz(a)anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Benzo(b)fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Benzo(k)fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Benzo(ghi)perylene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Benzo(a)pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
bis(2-Chloroethoxy)methane	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
bis(2-Chloroethyl) ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
bis(2-Chloroisopropyl) ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
bis(2-Ethylhexyl) phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Bromophenyl phenyl ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Butyl benzyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Chloroaniline	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Chloro-3-methylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Chloronaphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Chlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Chlorophenyl phenyl ether	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Chrysene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Dibenz(a,h)anthracene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Dibenzofuran	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Di-n-butyl phthalate	70000		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
1,2-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
1,3-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
1,4-Dichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
3,3'-Dichlorobenzidine	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4-Dichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Diethyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4-Dimethylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Dimethyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4,6-Dinitro-2-methylphenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4-Dinitrophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4-Dinitrotoluene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,6-Dinitrotoluene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17

Client Sample ID: NPR-0517-F

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501006

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Fluoranthene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Fluorene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Hexachlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Hexachlorobutadiene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Hexachlorocyclopentadiene	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Hexachloroethane	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Indeno(1,2,3-cd)pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Isophorone	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Methylnaphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Methylphenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
3-Methylphenol & 4-Methylphenol	ND		19000	9300	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Naphthalene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
3-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Nitroaniline	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Nitrobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2-Nitrophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
4-Nitrophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
N-Nitrosodiphenylamine	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
N-Nitrosodi-n-propylamine	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Pentachlorophenol	ND		47000	23000	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Phenanthrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Phenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
Pyrene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
1,2,4-Trichlorobenzene	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4,5-Trichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17
2,4,6-Trichlorophenol	ND		9300	4700	mg/kg		06/13/11 12:00	06/23/11 23:04	93.17

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*170000*		*mg/kg*		*2.26*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
3-Penten-2-one, 4methyl-	*3900*		*mg/kg*		*2.47*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Unknown	*220000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Unknown	*5700*		*mg/kg*		*3.41*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*10000*		*mg/kg*		*5.44*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
p-Toluenesulfonylacetonitrile	*4100*		*mg/kg*		*8.62*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Benzenesulfonamide, 4-methyl-	*4300*		*mg/kg*		*9.00*		*06/13/11 12:00*	*06/23/11 23:04*	*93.17*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*62 - 121*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
2-Fluorophenol	*100*		*50 - 150*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Nitrobenzene-d5	*99*		*50 - 150*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Phenol-d5	*103*		*50 - 150*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
Terphenyl-d14	*108*		*50 - 150*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*
2,4,6-Tribromophenol	*85*		*50 - 150*	*06/13/11 12:00*	*06/23/11 23:04*	*93.17*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-G
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501007
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Toluene	**680000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000

Client Sample ID: NPR-0517-G
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501007
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Acetone	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 16:33	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*790000*		*ug/kg*		*2.94*		*06/01/11 10:03*	*06/01/11 16:33*	*1000*
Ethyl Acetate	*84000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 16:33*	*1000*
unknwon	*2300000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 16:33*	*1000*
unknown	*690000*		*ug/kg*		*5.59*		*06/01/11 10:03*	*06/01/11 16:33*	*1000*
Acetic acid, butyl ester	*110000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 16:33*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/01/11 10:03*	*06/01/11 16:33*	*1000*
1,2-Dichloroethane-d4	*94*		*84 - 119*	*06/01/11 10:03*	*06/01/11 16:33*	*1000*
Toluene-d8	*95*		*85 - 122*	*06/01/11 10:03*	*06/01/11 16:33*	*1000*
4-Bromofluorobenzene	*105*		*87 - 119*	*06/01/11 10:03*	*06/01/11 16:33*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Acenaphthylene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Benz(a)anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Chloroaniline	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Chlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Chrysene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-G
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501007
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Dibenzofuran	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Diethyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Dimethyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Fluorene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Hexachlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Hexachloroethane	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Isophorone	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Methylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Naphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
3-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Nitrobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2-Nitrophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
4-Nitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Pentachlorophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Phenanthrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Phenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
Pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/23/11 23:30	99.67

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*240000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/23/11 23:30*	*99.67*
Unknown	*8300*		*mg/kg*		*4.45*		*06/13/11 12:00*	*06/23/11 23:30*	*99.67*
Hexanedioic acid, bis(2-ethylhexyl) este	*49000*		*mg/kg*		*13.72*		*06/13/11 12:00*	*06/23/11 23:30*	*99.67*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-G

Lab Sample ID: G1E200501007

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	104		62 - 121	06/13/11 12:00	06/23/11 23:30	99.67
2-Fluorophenol	100		50 - 150	06/13/11 12:00	06/23/11 23:30	99.67
Nitrobenzene-d5	99		50 - 150	06/13/11 12:00	06/23/11 23:30	99.67
Phenol-d5	99		50 - 150	06/13/11 12:00	06/23/11 23:30	99.67
Terphenyl-d14	103		50 - 150	06/13/11 12:00	06/23/11 23:30	99.67
2,4,6-Tribromophenol	81		50 - 150	06/13/11 12:00	06/23/11 23:30	99.67

Client Sample ID: NPR-0517-H

Lab Sample ID: G1E200501008

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Toluene	ND		250000	73000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000

Client Sample ID: NPR-0517-H
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501008
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Acetone	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 16:56	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*3800000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 16:56*	*1000*
Ethyl Acetate	*150000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 16:56*	*1000*
Acetic Acid, butyl ester	*83000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 16:56*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*67 - 123*	*06/01/11 10:03*	*06/01/11 16:56*	*1000*
1,2-Dichloroethane-d4	*92*		*84 - 119*	*06/01/11 10:03*	*06/01/11 16:56*	*1000*
Toluene-d8	*93*		*85 - 122*	*06/01/11 10:03*	*06/01/11 16:56*	*1000*
4-Bromofluorobenzene	*104*		*87 - 119*	*06/01/11 10:03*	*06/01/11 16:56*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Acenaphthylene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Benz(a)anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-H
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501008
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Chloroaniline	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Chlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Chrysene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Dibenzofuran	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Diethyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Dimethyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Fluoranthene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Fluorene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Hexachlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Hexachloroethane	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Isophorone	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Methylphenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Naphthalene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
3-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Nitroaniline	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Nitrobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2-Nitrophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
4-Nitrophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Pentachlorophenol	ND		50000	25000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Phenanthrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
Phenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67

Client Sample ID: NPR-0517-H

Lab Sample ID: G1E200501008

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/13/11 12:00	06/24/11 00:46	99.67

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190000*		*mg/kg*		*2.57*		*06/13/11 12:00*	*06/24/11 00:46*	*99.67*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*62 - 121*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*
2-Fluorophenol	*103*		*50 - 150*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*
Nitrobenzene-d5	*95*		*50 - 150*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*
Phenol-d5	*102*		*50 - 150*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*
Terphenyl-d14	*105*		*50 - 150*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*
2,4,6-Tribromophenol	*82*		*50 - 150*	*06/13/11 12:00*	*06/24/11 00:46*	*99.67*

Client Sample ID: NPR-0517-I

Lab Sample ID: G1E200501009

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Toluene	ND		250000	73000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000

Client Sample ID: NPR-0517-I
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501009
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Acetone	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 17:20	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*3200000*		*ug/kg*		*2.94*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*
Ethyl Acetate	*99000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*
3-methylhexane	*620000*		*ug/kg*		*4.92*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*
unknown	*620000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*
Heptane	*620000*		*ug/kg*		*5.30*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*
Acetic acid, butyl ester	*6300000*		*ug/kg*		*7.45*		*06/01/11 10:03*	*06/01/11 17:20*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89*		*67 - 123*	*06/01/11 10:03*	*06/01/11 17:20*	*1000*
1,2-Dichloroethane-d4	*90*		*84 - 119*	*06/01/11 10:03*	*06/01/11 17:20*	*1000*
Toluene-d8	*92*		*85 - 122*	*06/01/11 10:03*	*06/01/11 17:20*	*1000*
4-Bromofluorobenzene	*106*		*87 - 119*	*06/01/11 10:03*	*06/01/11 17:20*	*1000*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-I
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501009
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67

Client Sample ID: NPR-0517-I

Lab Sample ID: G1E200501009

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:03	99.67

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetic acid, butyl ester	*150000*		*mg/kg*		*2.58*		*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
Unknown	*23000*		*mg/kg*		*8.51*		*06/10/11 12:00*	*06/24/11 02:03*	*99.67*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*62 - 121*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
2-Fluorophenol	*110*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
Nitrobenzene-d5	*101*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
Phenol-d5	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
Terphenyl-d14	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*
2,4,6-Tribromophenol	*86*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:03*	*99.67*

Client Sample ID: NPR-0517-J

Lab Sample ID: G1E200501010

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-J
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501010
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Toluene	**9100000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
4-Methyl-2-pentanone (MIBK)	**420000**	**J**	500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Acetone	**3400000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 17:44	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7100000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 17:44*	*1000*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-J
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501010
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	180000000		ug/kg		4.40		06/01/11 10:03	06/01/11 17:44	1000
Acetic acid, 1-methylethyl ester	10000000		ug/kg		5.14		06/01/11 10:03	06/01/11 17:44	1000
Propane,2,2'-(methylenebis9oxy)bis-	1100000		ug/kg		6.82		06/01/11 10:03	06/01/11 17:44	1000
Acetic Acid, butyl ester	170000000		ug/kg		7.46		06/01/11 10:03	06/01/11 17:44	1000
bicylo(2.2.1)heptan-2-one,1,7,7-trime t	1400000		ug/kg		12.09		06/01/11 10:03	06/01/11 17:44	1000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	88		67 - 123	06/01/11 10:03	06/01/11 17:44	1000
1,2-Dichloroethane-d4	91		84 - 119	06/01/11 10:03	06/01/11 17:44	1000
Toluene-d8	91		85 - 122	06/01/11 10:03	06/01/11 17:44	1000
4-Bromofluorobenzene	103		87 - 119	06/01/11 10:03	06/01/11 17:44	1000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Acenaphthylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Benz(a)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Benzo(b)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Benzo(k)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Benzo(ghi)perylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Benzo(a)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
bis(2-Chloroethoxy)methane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
bis(2-Chloroethyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
bis(2-Chloroisopropyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
bis(2-Ethylhexyl) phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Bromophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Butyl benzyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Chloroaniline	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Chloro-3-methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Chloronaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Chlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Chlorophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Chrysene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Dibenz(a,h)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Dibenzofuran	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Di-n-butyl phthalate	**24000**		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
1,2-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
1,3-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
1,4-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
3,3'-Dichlorobenzidine	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4-Dichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Diethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4-Dimethylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Dimethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4,6-Dinitro-2-methylphenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4-Dinitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,6-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68

Client Sample ID: NPR-0517-J

Lab Sample ID: G1E200501010

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Fluorene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Hexachlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Hexachlorobutadiene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Hexachlorocyclopentadiene	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Hexachloroethane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Indeno(1,2,3-cd)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Isophorone	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Methylnaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Naphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
3-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Nitrobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2-Nitrophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
4-Nitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
N-Nitrosodiphenylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
N-Nitrosodi-n-propylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Pentachlorophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Phenanthrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Phenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
Pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
1,2,4-Trichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4,5-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68
2,4,6-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 02:28	98.68

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*6100*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
Unknown	*190000*		*mg/kg*		*2.58*		*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*6000*		*mg/kg*		*5.45*		*06/10/11 12:00*	*06/24/11 02:28*	*98.68*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*62 - 121*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
2-Fluorophenol	*98*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
Nitrobenzene-d5	*95*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
Phenol-d5	*97*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
Terphenyl-d14	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*
2,4,6-Tribromophenol	*84*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:28*	*98.68*

Client Sample ID: NPR-0517-K

Lab Sample ID: G1E200501011

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000

Client Sample ID: NPR-0517-K

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-K
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Toluene	**25000000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Toluene	**24000000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Toluene	**24000000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000

Client Sample ID: NPR-0517-K

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000

Client Sample ID: NPR-0517-K

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Acetone	**7300000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Acetone	**650000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Acetone	**630000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 18:07	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 18:31	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 18:54	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*4000000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 18:07*	*1000*
Isopropyl alcohol	*3700000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 18:31*	*1000*
Isopropyl alcohol	*4000000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 18:54*	*1000*
Ethyl Acetate	*100000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 18:07*	*1000*

Client Sample ID: NPR-0517-K
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	100000000		ug/kg		4.40		06/01/11 10:03	06/01/11 18:31	1000
Ethyl Acetate	100000000		ug/kg		4.40		06/01/11 10:03	06/01/11 18:54	1000
Unknown	620000		ug/kg		5.15		06/01/11 10:03	06/01/11 18:07	1000
Unknown	590000		ug/kg		5.15		06/01/11 10:03	06/01/11 18:31	1000
unknown	600000		ug/kg		5.15		06/01/11 10:03	06/01/11 18:54	1000
Acetic Acid, Butyl ester	97000000		ug/kg		7.45		06/01/11 10:03	06/01/11 18:07	1000
Acetic Acid, Butyl Ester	95000000		ug/kg		7.45		06/01/11 10:03	06/01/11 18:54	1000
Acetic Acid, butyl ester	94000000		ug/kg		7.46		06/01/11 10:03	06/01/11 18:31	1000
Camphor	660000		ug/kg		12.09		06/01/11 10:03	06/01/11 18:07	1000
Camphor	520000		ug/kg		12.09		06/01/11 10:03	06/01/11 18:31	1000
bicylo92.2.10heptan-2-one, 1,7,7-trimet	570000		ug/kg		12,085.00		06/01/11 10:03	06/01/11 18:54	1000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	93		67 - 123	06/01/11 10:03	06/01/11 18:07	1000
Dibromofluoromethane	91		67 - 123	06/01/11 10:03	06/01/11 18:31	1000
Dibromofluoromethane	90		67 - 123	06/01/11 10:03	06/01/11 18:54	1000
1,2-Dichloroethane-d4	93		84 - 119	06/01/11 10:03	06/01/11 18:07	1000
1,2-Dichloroethane-d4	95		84 - 119	06/01/11 10:03	06/01/11 18:31	1000
1,2-Dichloroethane-d4	92		84 - 119	06/01/11 10:03	06/01/11 18:54	1000
Toluene-d8	94		85 - 122	06/01/11 10:03	06/01/11 18:07	1000
Toluene-d8	94		85 - 122	06/01/11 10:03	06/01/11 18:31	1000
Toluene-d8	94		85 - 122	06/01/11 10:03	06/01/11 18:54	1000
4-Bromofluorobenzene	103		87 - 119	06/01/11 10:03	06/01/11 18:07	1000
4-Bromofluorobenzene	105		87 - 119	06/01/11 10:03	06/01/11 18:31	1000
4-Bromofluorobenzene	101		87 - 119	06/01/11 10:03	06/01/11 18:54	1000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67

Client Sample ID: NPR-0517-K
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501011
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Di-n-butyl phthalate	**23000**		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 02:53	99.67

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*26000*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
Unknown	*170000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*5400*		*mg/kg*		*5.45*		*06/10/11 12:00*	*06/24/11 02:53*	*99.67*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*62 - 121*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*

Client Sample ID: NPR-0517-K

Lab Sample ID: G1E200501011

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
Nitrobenzene-d5	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
Phenol-d5	*105*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
Terphenyl-d14	*118*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*
2,4,6-Tribromophenol	*87*		*50 - 150*	*06/10/11 12:00*	*06/24/11 02:53*	*99.67*

Client Sample ID: NPR-0517-L

Lab Sample ID: G1E200501012

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Toluene	**110000**	**J**	250000	73000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000

Client Sample ID: NPR-0517-L

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501012

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Acetone	**10000000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000
t-Butanol	**7700000**	**J**	12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 19:18	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1200000*		*ug/kg*		*2.94*		*06/01/11 10:03*	*06/01/11 19:18*	*1000*
Ethyl Acetate	*74000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 19:18*	*1000*
Acetic acid, 1-methylethyl ester	*4800000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 19:18*	*1000*
n-Propyl acetate	*29000000*		*ug/kg*		*5.98*		*06/01/11 10:03*	*06/01/11 19:18*	*1000*
Acetic acid, butyl ester	*100000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 19:18*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89*		*67 - 123*	*06/01/11 10:03*	*06/01/11 19:18*	*1000*
1,2-Dichloroethane-d4	*93*		*84 - 119*	*06/01/11 10:03*	*06/01/11 19:18*	*1000*
Toluene-d8	*95*		*85 - 122*	*06/01/11 10:03*	*06/01/11 19:18*	*1000*
4-Bromofluorobenzene	*103*		*87 - 119*	*06/01/11 10:03*	*06/01/11 19:18*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Acenaphthylene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Anthracene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Benz(a)anthracene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Benzo(b)fluoranthene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Benzo(k)fluoranthene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Benzo(ghi)perylene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4

Client Sample ID: NPR-0517-L

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501012

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
bis(2-Chloroethoxy)methane	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
bis(2-Chloroethyl) ether	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
bis(2-Chloroisopropyl) ether	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
bis(2-Ethylhexyl) phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Bromophenyl phenyl ether	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Butyl benzyl phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Chloroaniline	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Chloro-3-methylphenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Chloronaphthalene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Chlorophenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Chlorophenyl phenyl ether	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Chrysene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Dibenz(a,h)anthracene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Dibenzofuran	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Di-n-butyl phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
1,2-Dichlorobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
1,3-Dichlorobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
1,4-Dichlorobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
3,3'-Dichlorobenzidine	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4-Dichlorophenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Diethyl phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4-Dimethylphenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Dimethyl phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4,6-Dinitro-2-methylphenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4-Dinitrophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4-Dinitrotoluene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,6-Dinitrotoluene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Di-n-octyl phthalate	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Fluoranthene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Fluorene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Hexachlorobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Hexachlorobutadiene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Hexachlorocyclopentadiene	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Hexachloroethane	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Indeno(1,2,3-cd)pyrene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Isophorone	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Methylnaphthalene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Methylphenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
3-Methylphenol & 4-Methylphenol	ND		19000	9700	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Naphthalene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
3-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Nitrobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2-Nitrophenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
4-Nitrophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
N-Nitrosodiphenylamine	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
N-Nitrosodi-n-propylamine	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Pentachlorophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4

Client Sample ID: NPR-0517-L
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501012
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Phenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
Pyrene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
1,2,4-Trichlorobenzene	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4,5-Trichlorophenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4
2,4,6-Trichlorophenol	ND		9700	4900	mg/kg		06/10/11 12:00	06/24/11 03:19	97.4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*38000*		*mg/kg*		*1.85*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Unknown	*22000*		*mg/kg*		*1.89*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Unknown	*200000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*5000*		*mg/kg*		*5.44*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Unknown	*24000*		*mg/kg*		*8.50*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
4-Toluenesulfonylmethylisocyanide	*5000*		*mg/kg*		*8.62*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Benzenesulfonamide, N-ethyl-2-methyl-	*15000*		*mg/kg*		*8.96*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Benzenesulfonamide, N-ethyl-4-methyl-	*5300*		*mg/kg*		*9.34*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Triphenyl phosphate	*17000*		*mg/kg*		*13.87*		*06/10/11 12:00*	*06/24/11 03:19*	*97.4*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*62 - 121*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
2-Fluorophenol	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Nitrobenzene-d5	*103*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Phenol-d5	*106*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
Terphenyl-d14	*108*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*
2,4,6-Tribromophenol	*93*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:19*	*97.4*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Arsenic	**0.31**	**B**	1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Barium	**8.8**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Beryllium	**0.033**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Chromium	**0.13**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Copper	ND		2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Lead	**0.25**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Selenium	**0.73**	**J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Vanadium	**0.057**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:36	1
Zinc	**0.77**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:36	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:28	1

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-M

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501013

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000

Client Sample ID: NPR-0517-M
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501013
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Acetone	**850000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 19:40	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetic acid, methyl ester	*1300000*		*ug/kg*		*3.09*		*06/01/11 10:03*	*06/01/11 19:40*	*1000*
Ethyl Acetate	*65000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 19:40*	*1000*
Acetic acid, 1-methylethyl ester	*8400000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 19:40*	*1000*
Unknown	*720000*		*ug/kg*		*5.98*		*06/01/11 10:03*	*06/01/11 19:40*	*1000*
Acetic acid, butyl ester	*78000000*		*ug/kg*		*7.45*		*06/01/11 10:03*	*06/01/11 19:40*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*88*		*67 - 123*	*06/01/11 10:03*	*06/01/11 19:40*	*1000*
1,2-Dichloroethane-d4	*90*		*84 - 119*	*06/01/11 10:03*	*06/01/11 19:40*	*1000*
Toluene-d8	*92*		*85 - 122*	*06/01/11 10:03*	*06/01/11 19:40*	*1000*
4-Bromofluorobenzene	*99*		*87 - 119*	*06/01/11 10:03*	*06/01/11 19:40*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Acenaphthylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Benz(a)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Benzo(b)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Benzo(k)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Benzo(ghi)perylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Benzo(a)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
bis(2-Chloroethoxy)methane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
bis(2-Chloroethyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
bis(2-Chloroisopropyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
bis(2-Ethylhexyl) phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Bromophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Butyl benzyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Chloroaniline	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Chloro-3-methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Chloronaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Chlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Chlorophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Chrysene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Dibenz(a,h)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01

Re-test

8260 Addendum

Dept of Toxic Substances Control

Client Sample ID: NPR-0517-M

GC/MS Volatiles

Lot-Sample #...: G1E200501-013 Work Order #...: MJMWL1AE Matrix.....: WASTE
Date Sampled...: 05/17/11 Date Received..: 05/20/11
Prep Date.....: 10/18/11 Analysis Date..: 10/18/11
Prep Batch #...: 1292186
Dilution Factor: 5000 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Ethyl methacrylate	ND	2500000	ug/kg	1200000
Methyl methacrylate	ND	2500000	ug/kg	1200000
Acetone	ND Q	2500000	ug/kg	1200000
2-Hexanone	ND	1200000	ug/kg	620000
Isobutyl alcohol	ND	25000000	ug/kg	12000000
t-Butanol	ND	62000000	ug/kg	31000000
2-Butanone (MEK)	ND	2500000	ug/kg	1200000
4-Methyl-2-pentanone (MIBK)	ND	2500000	ug/kg	1200000
Methyl tert-butyl ether (MTBE)	ND	2500000	ug/kg	1200000
Dichlorodifluoromethane (Freon 12)	ND	1200000	ug/kg	330000
Trichlorofluoromethane (Freon 11)	ND	1200000	ug/kg	920000
Chloromethane	ND	1200000	ug/kg	640000
Vinyl chloride	ND	1200000	ug/kg	800000
Bromomethane	ND	1200000	ug/kg	460000
Chloroethane	ND	1200000	ug/kg	870000
1,1-Dichloroethene	ND	1200000	ug/kg	740000
Methylene chloride	ND	2500000	ug/kg	660000
trans-1,2-Dichloroethene	ND	1200000	ug/kg	560000
1,1-Dichloroethane	ND	1200000	ug/kg	300000
2,2-Dichloropropane	ND	1200000	ug/kg	610000
Bromochloromethane	ND	1200000	ug/kg	440000
Chloroform	ND	1200000	ug/kg	300000
1,1,1-Trichloroethane	ND	1200000	ug/kg	400000
Carbon tetrachloride	ND	1200000	ug/kg	680000
1,1-Dichloropropene	ND	1200000	ug/kg	220000
Benzene	ND	1200000	ug/kg	330000
1,2-Dichloroethane	ND	1200000	ug/kg	280000
Trichloroethene	ND	1200000	ug/kg	260000
1,2-Dichloropropane	ND	1200000	ug/kg	270000
Dibromomethane	ND	1200000	ug/kg	330000
Bromodichloromethane	ND	1200000	ug/kg	240000
cis-1,3-Dichloropropene	ND	1200000	ug/kg	360000
Toluene	**120000000**	**1200000**	**ug/kg**	**360000**
trans-1,3-Dichloropropene	ND	1200000	ug/kg	220000
1,1,2-Trichloroethane	ND	1200000	ug/kg	360000

(Continued on next page)

Re-test

8260 Addendum

Dept of Toxic Substances Control

Client Sample ID: NPR-0517-M

GC/MS Volatiles

Lot-Sample #...: G1E200501-013 Work Order #...: MJMWL1AE Matrix.....: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1200000	ug/kg	180000
1,3-Dichloropropane	ND	1200000	ug/kg	300000
Dibromochloromethane	ND	1200000	ug/kg	140000
1,2-Dibromoethane (EDB)	ND	1200000	ug/kg	150000
Chlorobenzene	ND	1200000	ug/kg	160000
1,1,1,2-Tetrachloroethane	ND	1200000	ug/kg	140000
Ethylbenzene	ND	1200000	ug/kg	280000
m-Xylene & p-Xylene	ND	1200000	ug/kg	360000
o-Xylene	ND	1200000	ug/kg	220000
Styrene	ND	1200000	ug/kg	140000
Bromoform	ND	1200000	ug/kg	150000
Isopropylbenzene	ND	1200000	ug/kg	120000
Bromobenzene	ND	1200000	ug/kg	240000
1,1,2,2-Tetrachloroethane	ND	1200000	ug/kg	390000
1,2,3-Trichloropropane	ND	1200000	ug/kg	380000
n-Propylbenzene	ND	1200000	ug/kg	170000
2-Chlorotoluene	ND	1200000	ug/kg	150000
4-Chlorotoluene	ND	1200000	ug/kg	170000
1,3,5-Trimethylbenzene	ND	1200000	ug/kg	120000
tert-Butylbenzene	ND	1200000	ug/kg	120000
1,2,4-Trimethylbenzene	ND	1200000	ug/kg	180000
sec-Butylbenzene	ND	1200000	ug/kg	140000
1,3-Dichlorobenzene	ND	1200000	ug/kg	190000
p-Isopropyltoluene	ND	1200000	ug/kg	160000
1,4-Dichlorobenzene	ND	1200000	ug/kg	240000
1,2-Dichlorobenzene	ND	1200000	ug/kg	190000
n-Butylbenzene	ND	1200000	ug/kg	180000
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500000	ug/kg	770000
1,2,4-Trichlorobenzene	ND	1200000	ug/kg	210000
Hexachlorobutadiene	ND	1200000	ug/kg	220000
Naphthalene	ND	1200000	ug/kg	360000
1,2,3-Trichlorobenzene	ND	1200000	ug/kg	160000
cis-1,2-Dichloroethene	ND	1200000	ug/kg	660000

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(67 - 123)
1,2-Dichloroethane-d4	97	(84 - 119)
Toluene-d8	99	(85 - 122)
4-Bromofluorobenzene	99	(87 - 119)

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Re-test

8260 Addendum

Dept of Toxic Substances Control

NPR-0517-M

GC/MS Volatiles

Lot-Sample #: G1E200501-013 Work Order #: MJMWL1AE Matrix: WASTE

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		3700000	M	3.298	ug/kg
Unknown		2700000	M	4.502	ug/kg
Ethyl Acetate	141-78-6	120000000	Q	4.612	ug/kg
unknown	0	16000000	Q	5.366	ug/kg
Acetic acid, butyl ester	123-86-4	150000000	Q	7.666	ug/kg

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

M: Result was measured against nearest internal standard assuming a response factor of 1.

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-M
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501013
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Di-n-butyl phthalate	**42000**		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
1,2-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
1,3-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
1,4-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4-Dichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Diethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4-Dimethylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Dimethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,6-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Di-n-octyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Fluorene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Hexachlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Hexachlorobutadiene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Hexachloroethane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Indeno(1,2,3-cd)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Isophorone	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Methylnaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Naphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Nitrobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2-Nitrophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
N-Nitrosodiphenylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
N-Nitrosodi-n-propylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Phenanthrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Phenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
Pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
1,2,4-Trichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4,5-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01
2,4,6-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 03:44	99.01

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Touene	*150000*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 03:44*	*99.01*
Unknown	*180000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 03:44*	*99.01*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*62 - 121*	*06/10/11 12:00*	*06/24/11 03:44*	*99.01*
2-Fluorophenol	*108*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:44*	*99.01*
Nitrobenzene-d5	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 03:44*	*99.01*

Client Sample ID: NPR-0517-M

Lab Sample ID: G1E200501013

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	103		50 - 150	06/10/11 12:00	06/24/11 03:44	99.01
Terphenyl-d14	112		50 - 150	06/10/11 12:00	06/24/11 03:44	99.01
2,4,6-Tribromophenol	87		50 - 150	06/10/11 12:00	06/24/11 03:44	99.01

Client Sample ID: NPR-0517-N

Lab Sample ID: G1E200501014

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Toluene	**6600000**		250000	73000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000

Client Sample ID: NPR-0517-N
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501014
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Acetone	**8800000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 20:04	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*3200000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 20:04*	*1000*
Acetic Acid, 1-methylethyl ester	*13000000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 20:04*	*1000*
1-Butanol	*1700000*		*ug/kg*		*5.58*		*06/01/11 10:03*	*06/01/11 20:04*	*1000*
Acetic acid, butyl ester	*200000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 20:04*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/01/11 10:03*	*06/01/11 20:04*	*1000*
1,2-Dichloroethane-d4	*94*		*84 - 119*	*06/01/11 10:03*	*06/01/11 20:04*	*1000*
Toluene-d8	*94*		*85 - 122*	*06/01/11 10:03*	*06/01/11 20:04*	*1000*
4-Bromofluorobenzene	*105*		*87 - 119*	*06/01/11 10:03*	*06/01/11 20:04*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Acenaphthylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Benz(a)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Benzo(b)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Benzo(k)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Benzo(ghi)perylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Benzo(a)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
bis(2-Chloroethoxy)methane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
bis(2-Chloroethyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34

Client Sample ID: NPR-0517-N
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501014
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis(2-Chloroisopropyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
bis(2-Ethylhexyl) phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Bromophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Butyl benzyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Chloroaniline	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Chloro-3-methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Chloronaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Chlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Chlorophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Chrysene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Dibenz(a,h)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Dibenzofuran	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Di-n-butyl phthalate	**42000**		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
1,2-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
1,3-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
1,4-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4-Dichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Diethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4-Dimethylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Dimethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,6-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Di-n-octyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Fluorene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Hexachlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Hexachlorobutadiene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Hexachloroethane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Indeno(1,2,3-cd)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Isophorone	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Methylnaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Naphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Nitrobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2-Nitrophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
N-Nitrosodiphenylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
N-Nitrosodi-n-propylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Phenanthrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Phenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
Pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34

Client Sample ID: NPR-0517-N

Lab Sample ID: G1E200501014

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4,5-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34
2,4,6-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 04:10	99.34

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*310000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 04:10*	*99.34*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*62 - 121*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*
2-Fluorophenol	*104*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*
Nitrobenzene-d5	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*
Phenol-d5	*103*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*
Terphenyl-d14	*118*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*
2,4,6-Tribromophenol	*78*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:10*	*99.34*

Client Sample ID: NPR-0517-O

Lab Sample ID: G1E200501015

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	120000	33000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Chloromethane	ND		120000	64000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Vinyl chloride	ND		120000	80000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Bromomethane	ND		120000	46000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Chloroethane	ND		120000	87000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Methylene chloride	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Bromochloromethane	ND		120000	44000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Chloroform	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Benzene	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Trichloroethene	ND		120000	26000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Dibromomethane	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Toluene	**42000**	**J**	120000	36000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 20:28	500

Client Sample ID: NPR-0517-O

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501015

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Chlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Ethylbenzene	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
o-Xylene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Styrene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Bromoform	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Bromobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Naphthalene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
2-Hexanone	ND		120000	62000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Acetone	**480000**		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:28	500
t-Butanol	ND		6200000	3100000	ug/kg		06/01/11 10:03	06/01/11 20:28	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*870000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 20:28*	*500*
Ethyl Acetate	*76000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 20:28*	*500*
unknown	*2600000*		*ug/kg*		*5.15*		*06/01/11 10:03*	*06/01/11 20:28*	*500*
1-Butanol	*310000*		*ug/kg*		*5.59*		*06/01/11 10:03*	*06/01/11 20:28*	*500*
n-propyl acetate	*10000000*		*ug/kg*		*5.98*		*06/01/11 10:03*	*06/01/11 20:28*	*500*
Acetic Acid, butyl ester	*89000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 20:28*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89*		*67 - 123*	*06/01/11 10:03*	*06/01/11 20:28*	*500*
1,2-Dichloroethane-d4	*91*		*84 - 119*	*06/01/11 10:03*	*06/01/11 20:28*	*500*
Toluene-d8	*94*		*85 - 122*	*06/01/11 10:03*	*06/01/11 20:28*	*500*
4-Bromofluorobenzene	*103*		*87 - 119*	*06/01/11 10:03*	*06/01/11 20:28*	*500*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-O
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501015
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101

Client Sample ID: NPR-0517-O
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501015
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 04:35	101

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*34000*		*mg/kg*		*1.85*		*06/10/11 12:00*	*06/24/11 04:35*	*101*
Unknown	*230000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 04:35*	*101*
Unknown	*33000*		*mg/kg*		*8.50*		*06/10/11 12:00*	*06/24/11 04:35*	*101*
Triphenyl phosphate	*18000*		*mg/kg*		*13.86*		*06/10/11 12:00*	*06/24/11 04:35*	*101*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*62 - 121*	*06/10/11 12:00*	*06/24/11 04:35*	*101*
2-Fluorophenol	*119*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:35*	*101*
Nitrobenzene-d5	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:35*	*101*
Phenol-d5	*118*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:35*	*101*
Terphenyl-d14	*116*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:35*	*101*
2,4,6-Tribromophenol	*85*		*50 - 150*	*06/10/11 12:00*	*06/24/11 04:35*	*101*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Barium	**1.1**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Beryllium	**0.030**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Chromium	**0.41**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Cobalt	**0.12**	**B**	5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Copper	**0.47**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Lead	**0.16**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Nickel	**0.36**	**B**	4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Selenium	ND		0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Vanadium	**0.62**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:39	1
Zinc	**1.1**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:39	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:33	1

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-A
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501016
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Chloromethane	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Bromomethane	ND		250000	93000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Chloroethane	ND		250000	170000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Methylene chloride	ND		500000	130000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Chloroform	ND		250000	61000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Benzene	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Trichloroethene	ND		250000	52000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Dibromomethane	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Toluene	ND		250000	73000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
o-Xylene	ND		250000	45000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Styrene	ND		250000	29000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Bromoform	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Bromobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000

Client Sample ID: NPR-0518-A

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501016

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Naphthalene	ND		250000	71000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
2-Hexanone	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Acetone	**27000000**		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/01/11 10:03	06/01/11 20:52	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl acetate	*110000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 20:52*	*1000*
Acetic acid, butyl ester	*200000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 20:52*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*67 - 123*	*06/01/11 10:03*	*06/01/11 20:52*	*1000*
1,2-Dichloroethane-d4	*97*		*84 - 119*	*06/01/11 10:03*	*06/01/11 20:52*	*1000*
Toluene-d8	*94*		*85 - 122*	*06/01/11 10:03*	*06/01/11 20:52*	*1000*
4-Bromofluorobenzene	*104*		*87 - 119*	*06/01/11 10:03*	*06/01/11 20:52*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Acenaphthylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Benz(a)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Benzo(b)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Benzo(k)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Benzo(ghi)perylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Benzo(a)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
bis(2-Chloroethoxy)methane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
bis(2-Chloroethyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
bis(2-Chloroisopropyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
bis(2-Ethylhexyl) phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Bromophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Butyl benzyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Chloroaniline	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Chloro-3-methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Chloronaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Chlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Chlorophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Chrysene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Dibenz(a,h)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Dibenzofuran	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Di-n-butyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01

Client Sample ID: NPR-0518-A

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501016

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
1,3-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
1,4-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4-Dichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Diethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4-Dimethylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Dimethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,6-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Di-n-octyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Fluorene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Hexachlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Hexachlorobutadiene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Hexachloroethane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Indeno(1,2,3-cd)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Isophorone	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Methylnaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Naphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Nitrobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2-Nitrophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
N-Nitrosodiphenylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
N-Nitrosodi-n-propylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Phenanthrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Phenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
Pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
1,2,4-Trichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4,5-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01
2,4,6-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 05:52	99.01

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*530000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 05:52*	*99.01*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*62 - 121*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*
2-Fluorophenol	*102*		*50 - 150*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*
Nitrobenzene-d5	*101*		*50 - 150*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*
Phenol-d5	*105*		*50 - 150*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*
Terphenyl-d14	*104*		*50 - 150*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*
2,4,6-Tribromophenol	*86*		*50 - 150*	*06/10/11 12:00*	*06/24/11 05:52*	*99.01*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-B
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501017
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	G	120000	33000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Chloromethane	ND		120000	64000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Vinyl chloride	ND		120000	80000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Bromomethane	ND		120000	46000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Chloroethane	ND		120000	87000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Methylene chloride	ND		250000	66000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Bromochloromethane	ND		120000	44000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Chloroform	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Benzene	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Trichloroethene	ND		120000	26000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Dibromomethane	ND		120000	33000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Toluene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Chlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Ethylbenzene	ND		120000	28000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
o-Xylene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Styrene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Bromoform	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Bromobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 21:15	500

Client Sample ID: NPR-0518-B
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501017
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Naphthalene	ND		120000	36000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
2-Hexanone	ND		120000	62000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Acetone	**7000000**		250000	120000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/01/11 10:03	06/01/11 21:15	500
t-Butanol	ND		6200000	3100000	ug/kg		06/01/11 10:03	06/01/11 21:15	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*960000*		*ug/kg*		*2.93*		*06/01/11 10:03*	*06/01/11 21:15*	*500*
Ethyl Acetate	*530000000*		*ug/kg*		*4.40*		*06/01/11 10:03*	*06/01/11 21:15*	*500*
Unknown	*3400000*		*ug/kg*		*5.14*		*06/01/11 10:03*	*06/01/11 21:15*	*500*
Acetic Acid, butyl ester	*130000000*		*ug/kg*		*7.46*		*06/01/11 10:03*	*06/01/11 21:15*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*67 - 123*	*06/01/11 10:03*	*06/01/11 21:15*	*500*
1,2-Dichloroethane-d4	*96*		*84 - 119*	*06/01/11 10:03*	*06/01/11 21:15*	*500*
Toluene-d8	*93*		*85 - 122*	*06/01/11 10:03*	*06/01/11 21:15*	*500*
4-Bromofluorobenzene	*104*		*87 - 119*	*06/01/11 10:03*	*06/01/11 21:15*	*500*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Acenaphthylene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Benz(a)anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Benzo(b)fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Benzo(k)fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Benzo(ghi)perylene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Benzo(a)pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
bis(2-Chloroethoxy)methane	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
bis(2-Chloroethyl) ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
bis(2-Chloroisopropyl) ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
bis(2-Ethylhexyl) phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Bromophenyl phenyl ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Butyl benzyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Chloroaniline	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Chloro-3-methylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Chloronaphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Chlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Chlorophenyl phenyl ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Chrysene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Dibenz(a,h)anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-B
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501017
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Di-n-butyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
1,2-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
1,3-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
1,4-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
3,3'-Dichlorobenzidine	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4-Dichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Diethyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4-Dimethylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Dimethyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4,6-Dinitro-2-methylphenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4-Dinitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4-Dinitrotoluene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,6-Dinitrotoluene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Di-n-octyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Fluorene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Hexachlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Hexachlorobutadiene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Hexachlorocyclopentadiene	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Hexachloroethane	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Indeno(1,2,3-cd)pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Isophorone	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Methylnaphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Methylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
3-Methylphenol & 4-Methylphenol	ND		20000	9800	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Naphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
3-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Nitrobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2-Nitrophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
4-Nitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
N-Nitrosodiphenylamine	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
N-Nitrosodi-n-propylamine	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Pentachlorophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Phenanthrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Phenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
Pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
1,2,4-Trichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4,5-Trichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04
2,4,6-Trichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 07:54	98.04

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetic acid, butyl ester	*330000*		*mg/kg*		*2.58*		*06/10/11 12:00*	*06/24/11 07:54*	*98.04*
Unknown	*62000*		*mg/kg*		*12.87*		*06/10/11 12:00*	*06/24/11 07:54*	*98.04*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*110*		*62 - 121*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*
2-Fluorophenol	*105*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*
Nitrobenzene-d5	*108*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*

Client Sample ID: NPR-0518-B

Lab Sample ID: G1E200501017

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*
Terphenyl-d14	*111*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*
2,4,6-Tribromophenol	*89*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:54*	*98.04*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Barium	**0.50**	**B J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Beryllium	**0.032**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Chromium	**0.13**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Copper	ND		2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Lead	**0.19**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Molybdenum	**0.21**	**B J**	4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Nickel	**0.072**	**B**	4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Selenium	**0.36**	**B J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Vanadium	**0.052**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:46	1
Zinc	**0.33**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:46	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:36	1

Client Sample ID: NPR-0518-C

Lab Sample ID: G1E200501018

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	120000	33000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Chloromethane	ND		120000	64000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Vinyl chloride	ND		120000	80000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Bromomethane	ND		120000	46000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Chloroethane	ND		120000	87000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Methylene chloride	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Bromochloromethane	ND		120000	44000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Chloroform	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 12:59	500

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-C
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501018
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Trichloroethene	ND		120000	26000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Dibromomethane	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Toluene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Chlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Ethylbenzene	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
o-Xylene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Styrene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Bromoform	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Bromobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Naphthalene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
2-Hexanone	ND		120000	62000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Acetone	**2800000**		250000	120000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 12:59	500
t-Butanol	**3800000**	**J**	6200000	3100000	ug/kg		06/02/11 10:15	06/02/11 12:59	500

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-C

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501018

Matrix: Waste

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1300000		ug/kg		2.93		06/02/11 10:15	06/02/11 12:59	500
Ethyl Acetate	6900000		ug/kg		4.40		06/02/11 10:15	06/02/11 12:59	500
n-Propyl acetate	6900000		ug/kg		5.98		06/02/11 10:15	06/02/11 12:59	500
Acetic acid, butyl ester	100000000		ug/kg		7.46		06/02/11 10:15	06/02/11 12:59	500
Bicylo(2.2.1)heptan-2-one,1,7,7-trime t	770000		ug/kg		12.09		06/02/11 10:15	06/02/11 12:59	500

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	95		67 - 123	06/02/11 10:15	06/02/11 12:59	500
1,2-Dichloroethane-d4	96		84 - 119	06/02/11 10:15	06/02/11 12:59	500
Toluene-d8	96		85 - 122	06/02/11 10:15	06/02/11 12:59	500
4-Bromofluorobenzene	105		87 - 119	06/02/11 10:15	06/02/11 12:59	500

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Acenaphthylene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Anthracene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Benz(a)anthracene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Benzo(b)fluoranthene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Benzo(k)fluoranthene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Benzo(ghi)perylene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Benzo(a)pyrene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
bis(2-Chloroethoxy)methane	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
bis(2-Chloroethyl) ether	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
bis(2-Chloroisopropyl) ether	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
bis(2-Ethylhexyl) phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Bromophenyl phenyl ether	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Butyl benzyl phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Chloroaniline	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Chloro-3-methylphenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Chloronaphthalene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Chlorophenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Chlorophenyl phenyl ether	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Chrysene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Dibenz(a,h)anthracene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Dibenzofuran	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Di-n-butyl phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
1,2-Dichlorobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
1,3-Dichlorobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
1,4-Dichlorobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
3,3'-Dichlorobenzidine	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4-Dichlorophenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Diethyl phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4-Dimethylphenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Dimethyl phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4,6-Dinitro-2-methylphenol	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4-Dinitrophenol	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4-Dinitrotoluene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,6-Dinitrotoluene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Di-n-octyl phthalate	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7

Client Sample ID: NPR-0518-C
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501018
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Fluorene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Hexachlorobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Hexachlorobutadiene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Hexachlorocyclopentadiene	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Hexachloroethane	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Indeno(1,2,3-cd)pyrene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Isophorone	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Methylnaphthalene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Methylphenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Naphthalene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Nitroaniline	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
3-Nitroaniline	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Nitroaniline	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Nitrobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2-Nitrophenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
4-Nitrophenol	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
N-Nitrosodiphenylamine	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
N-Nitrosodi-n-propylamine	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Pentachlorophenol	ND		51000	25000	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Phenanthrene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Phenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
Pyrene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
1,2,4-Trichlorobenzene	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4,5-Trichlorophenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7
2,4,6-Trichlorophenol	ND		10000	5100	mg/kg		06/10/11 12:00	06/24/11 08:19	101.7

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*88000*		*mg/kg*		*1.85*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Acetic acid, butyl ester	*230000*		*mg/kg*		*2.58*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*8100*		*mg/kg*		*5.45*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Unknown	*24000*		*mg/kg*		*8.51*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Unknown	*4300*		*mg/kg*		*8.65*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Benzenesulfonamide, N-ethyl-2-methyl-	*6400*		*mg/kg*		*8.97*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Unknown	*5600*		*mg/kg*		*9.00*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Triphenyl phosphate	*18000*		*mg/kg*		*13.87*		*06/10/11 12:00*	*06/24/11 08:19*	*101.7*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*62 - 121*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
2-Fluorophenol	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Nitrobenzene-d5	*106*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Phenol-d5	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
Terphenyl-d14	*114*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*
2,4,6-Tribromophenol	*92*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:19*	*101.7*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:49	1

Client Sample ID: NPR-0518-C

Lab Sample ID: G1E200501018

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 6010B - Inductively Coupled Plasma (6010B Trace) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Barium	**6.2**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Beryllium	**0.020**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Chromium	**0.40**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Copper	**0.31**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Lead	**0.19**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Nickel	**0.074**	**B**	4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Selenium	**0.53**	**J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Vanadium	**0.17**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:49	1
Zinc	**1.0**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:49	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:38	1

Client Sample ID: NPR-0518-D

Lab Sample ID: G1E200501019

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Chloromethane	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Bromomethane	ND		250000	93000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Chloroethane	ND		250000	170000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Methylene chloride	ND		500000	130000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Chloroform	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Benzene	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Trichloroethene	ND		250000	52000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Dibromomethane	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Toluene	ND		250000	73000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000

Client Sample ID: NPR-0518-D
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501019
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
o-Xylene	**150000**	**J**	250000	45000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Styrene	ND		250000	29000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Bromoform	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Bromobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Naphthalene	ND		250000	71000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
2-Hexanone	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Acetone	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/02/11 10:15	06/02/11 13:22	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*510000*		*ug/kg*		*2.43*		*06/02/11 10:15*	*06/02/11 13:22*	*1000*
Ethyl Acetate	*8500000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 13:22*	*1000*
Acetic acid, butyl ester	*67000000*		*ug/kg*		*7.45*		*06/02/11 10:15*	*06/02/11 13:22*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/02/11 10:15*	*06/02/11 13:22*	*1000*
1,2-Dichloroethane-d4	*96*		*84 - 119*	*06/02/11 10:15*	*06/02/11 13:22*	*1000*
Toluene-d8	*91*		*85 - 122*	*06/02/11 10:15*	*06/02/11 13:22*	*1000*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-D
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501019
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		87 - 119	06/02/11 10:15	06/02/11 13:22	1000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Acenaphthylene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Benz(a)anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Benzo(b)fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Benzo(k)fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Benzo(ghi)perylene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Benzo(a)pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
bis(2-Chloroethoxy)methane	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
bis(2-Chloroethyl) ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
bis(2-Chloroisopropyl) ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
bis(2-Ethylhexyl) phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Bromophenyl phenyl ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Butyl benzyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Chloroaniline	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Chloro-3-methylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Chloronaphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Chlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Chlorophenyl phenyl ether	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Chrysene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Dibenz(a,h)anthracene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Dibenzofuran	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Di-n-butyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
1,2-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
1,3-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
1,4-Dichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
3,3'-Dichlorobenzidine	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4-Dichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Diethyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4-Dimethylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Dimethyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4,6-Dinitro-2-methylphenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4-Dinitrophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4-Dinitrotoluene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,6-Dinitrotoluene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Di-n-octyl phthalate	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Fluoranthene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Fluorene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Hexachlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Hexachlorobutadiene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Hexachlorocyclopentadiene	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Hexachloroethane	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Indeno(1,2,3-cd)pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Isophorone	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Methylnaphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Methylphenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72

Client Sample ID: NPR-0518-D

Lab Sample ID: G1E200501019

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol & 4-Methylphenol	ND		20000	9800	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Naphthalene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
3-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Nitroaniline	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Nitrobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2-Nitrophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
4-Nitrophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
N-Nitrosodiphenylamine	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
N-Nitrosodi-n-propylamine	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Pentachlorophenol	ND		49000	24000	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Phenanthrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Phenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
Pyrene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
1,2,4-Trichlorobenzene	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4,5-Trichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72
2,4,6-Trichlorophenol	ND		9800	4900	mg/kg		06/10/11 12:00	06/24/11 08:44	97.72

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
Unknown	*27000*		*mg/kg*		*8.50*		*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
Triphenyl phosphate	*13000*		*mg/kg*		*13.87*		*06/10/11 12:00*	*06/24/11 08:44*	*97.72*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*62 - 121*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
2-Fluorophenol	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
Nitrobenzene-d5	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
Phenol-d5	*110*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
Terphenyl-d14	*111*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*
2,4,6-Tribromophenol	*97*		*50 - 150*	*06/10/11 12:00*	*06/24/11 08:44*	*97.72*

Client Sample ID: NPR-0518-E

Lab Sample ID: G1E200501020

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	120000	33000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Chloromethane	ND		120000	64000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Vinyl chloride	ND		120000	80000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Bromomethane	ND		120000	46000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Chloroethane	ND		120000	87000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Methylene chloride	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Bromochloromethane	ND		120000	44000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Chloroform	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 13:45	500

Client Sample ID: NPR-0518-E
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501020
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Benzene	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Trichloroethene	ND		120000	26000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Dibromomethane	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Toluene	**160000**		120000	36000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Chlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Ethylbenzene	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
o-Xylene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Styrene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Bromoform	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Bromobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Naphthalene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
2-Hexanone	ND		120000	62000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
Acetone	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:45	500

Client Sample ID: NPR-0518-E
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501020
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 13:45	500
t-Butanol	ND		6200000	3100000	ug/kg		06/02/11 10:15	06/02/11 13:45	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3200000*		*ug/kg*		*2.93*		*06/02/11 10:15*	*06/02/11 13:45*	*500*
Ethyl Acetate	*85000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 13:45*	*500*
Acetic Acid, Butyl ester	*69000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 13:45*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/02/11 10:15*	*06/02/11 13:45*	*500*
1,2-Dichloroethane-d4	*95*		*84 - 119*	*06/02/11 10:15*	*06/02/11 13:45*	*500*
Toluene-d8	*91*		*85 - 122*	*06/02/11 10:15*	*06/02/11 13:45*	*500*
4-Bromofluorobenzene	*103*		*87 - 119*	*06/02/11 10:15*	*06/02/11 13:45*	*500*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Acenaphthylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Benz(a)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Benzo(b)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Benzo(k)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Benzo(ghi)perylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Benzo(a)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
bis(2-Chloroethoxy)methane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
bis(2-Chloroethyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
bis(2-Chloroisopropyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
bis(2-Ethylhexyl) phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Bromophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Butyl benzyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Chloroaniline	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Chloro-3-methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Chloronaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Chlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Chlorophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Chrysene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Dibenz(a,h)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Dibenzofuran	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Di-n-butyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
1,2-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
1,3-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
1,4-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
3,3'-Dichlorobenzidine	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4-Dichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Diethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4-Dimethylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Dimethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4,6-Dinitro-2-methylphenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4-Dinitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,6-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68

Client Sample ID: NPR-0518-E

Lab Sample ID: G1E200501020

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Fluorene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Hexachlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Hexachlorobutadiene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Hexachlorocyclopentadiene	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Hexachloroethane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Indeno(1,2,3-cd)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Isophorone	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Methylnaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Naphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
3-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Nitrobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2-Nitrophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
4-Nitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
N-Nitrosodiphenylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
N-Nitrosodi-n-propylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Pentachlorophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Phenanthrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Phenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
Pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
1,2,4-Trichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4,5-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68
2,4,6-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 09:10	98.68

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
Tributyl acetylcitrate	*18000*		*mg/kg*		*12.86*		*06/10/11 12:00*	*06/24/11 09:10*	*98.68*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*62 - 121*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
2-Fluorophenol	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
Nitrobenzene-d5	*106*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
Phenol-d5	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
Terphenyl-d14	*117*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*
2,4,6-Tribromophenol	*91*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:10*	*98.68*

Client Sample ID: NPR-0518-F

Lab Sample ID: G1E200501021

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000

Client Sample ID: NPR-0518-F

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501021

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Chloromethane	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Chloromethane	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Chloromethane	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Bromomethane	ND		250000	93000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Bromomethane	ND		250000	93000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Bromomethane	ND		250000	93000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Chloroethane	ND		250000	170000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Chloroethane	ND		250000	170000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Chloroethane	ND		250000	170000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Methylene chloride	ND		500000	130000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Methylene chloride	ND		500000	130000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Methylene chloride	ND		500000	130000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Chloroform	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Chloroform	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Chloroform	ND		250000	61000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Benzene	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Benzene	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Benzene	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000

Client Sample ID: NPR-0518-F

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501021

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Trichloroethene	ND		250000	52000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Trichloroethene	ND		250000	52000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Trichloroethene	ND		250000	52000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Dibromomethane	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Dibromomethane	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Dibromomethane	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Toluene	**190000**	**J**	250000	73000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Toluene	**210000**	**J**	250000	73000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Toluene	**200000**	**J**	250000	73000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
o-Xylene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000

Client Sample ID: NPR-0518-F
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501021
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
o-Xylene	ND		250000	45000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Styrene	ND		250000	29000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Styrene	ND		250000	29000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Styrene	ND		250000	29000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Bromoform	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Bromoform	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Bromoform	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Isopropylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Bromobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Bromobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Bromobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000

Client Sample ID: NPR-0518-F
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501021
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Naphthalene	ND		250000	71000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Naphthalene	ND		250000	71000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Naphthalene	ND		250000	71000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
2-Hexanone	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
2-Hexanone	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
2-Hexanone	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Acetone	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Acetone	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Acetone	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000
t-Butanol	**8500000**	**J**	12000000	6200000	ug/kg		06/02/11 10:15	06/02/11 14:09	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/02/11 10:15	06/02/11 14:33	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/02/11 10:15	06/02/11 14:57	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethy Acetate	*130000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 14:33*	*1000*
Ethyl Acetate	*130000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 14:09*	*1000*
Ethyl Acetate	*130000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 14:57*	*1000*
Acetic Acid, Butyl ester	*120000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 14:09*	*1000*
Acetic Acid, butyl ester	*120000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 14:33*	*1000*
Acetic Acid, butyl ester	*120000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 14:57*	*1000*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-F

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501021

Matrix: Waste

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	95		67 - 123	06/02/11 10:15	06/02/11 14:09	1000
Dibromofluoromethane	93		67 - 123	06/02/11 10:15	06/02/11 14:33	1000
Dibromofluoromethane	96		67 - 123	06/02/11 10:15	06/02/11 14:57	1000
1,2-Dichloroethane-d4	100		84 - 119	06/02/11 10:15	06/02/11 14:09	1000
1,2-Dichloroethane-d4	99		84 - 119	06/02/11 10:15	06/02/11 14:33	1000
1,2-Dichloroethane-d4	98		84 - 119	06/02/11 10:15	06/02/11 14:57	1000
Toluene-d8	94		85 - 122	06/02/11 10:15	06/02/11 14:09	1000
Toluene-d8	91		85 - 122	06/02/11 10:15	06/02/11 14:33	1000
Toluene-d8	93		85 - 122	06/02/11 10:15	06/02/11 14:57	1000
4-Bromofluorobenzene	104		87 - 119	06/02/11 10:15	06/02/11 14:09	1000
4-Bromofluorobenzene	102		87 - 119	06/02/11 10:15	06/02/11 14:33	1000
4-Bromofluorobenzene	102		87 - 119	06/02/11 10:15	06/02/11 14:57	1000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3

Client Sample ID: NPR-0518-F

Lab Sample ID: G1E200501021

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 09:35	100.3

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 09:35*	*100.3*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*62 - 121*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*
2-Fluorophenol	*108*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*
Nitrobenzene-d5	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*
Phenol-d5	*114*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*
Terphenyl-d14	*121*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*
2,4,6-Tribromophenol	*88*		*50 - 150*	*06/10/11 12:00*	*06/24/11 09:35*	*100.3*

Client Sample ID: NPR-0518-G

Lab Sample ID: G1E200501022

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	120000	33000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Chloromethane	ND		120000	64000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Vinyl chloride	ND		120000	80000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Bromomethane	ND		120000	46000	ug/kg		06/02/11 10:15	06/02/11 15:21	500

Client Sample ID: NPR-0518-G

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501022

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		120000	87000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Methylene chloride	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Bromochloromethane	ND		120000	44000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Chloroform	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Benzene	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Trichloroethene	ND		120000	26000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Dibromomethane	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Toluene	**76000**	**J**	120000	36000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Chlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Ethylbenzene	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
m-Xylene & p-Xylene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
o-Xylene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Styrene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Bromoform	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Bromobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
n-Butylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/02/11 10:15	06/02/11 15:21	500

Client Sample ID: NPR-0518-G
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501022
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Naphthalene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
2-Hexanone	ND		120000	62000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
4-Methyl-2-pentanone (MIBK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Acetone	**1200000**		250000	120000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 15:21	500
t-Butanol	ND		6200000	3100000	ug/kg		06/02/11 10:15	06/02/11 15:21	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl acetate	*68000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 15:21*	*500*
Acetic acid, 1-methylethyl ester	*2700000*		*ug/kg*		*5.14*		*06/02/11 10:15*	*06/02/11 15:21*	*500*
unknown	*250000*		*ug/kg*		*5.59*		*06/02/11 10:15*	*06/02/11 15:21*	*500*
Acetic Acid, butyl ester	*64000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 15:21*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*90*		*67 - 123*	*06/02/11 10:15*	*06/02/11 15:21*	*500*
1,2-Dichloroethane-d4	*93*		*84 - 119*	*06/02/11 10:15*	*06/02/11 15:21*	*500*
Toluene-d8	*90*		*85 - 122*	*06/02/11 10:15*	*06/02/11 15:21*	*500*
4-Bromofluorobenzene	*105*		*87 - 119*	*06/02/11 10:15*	*06/02/11 15:21*	*500*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Acenaphthylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Benz(a)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Benzo(b)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Benzo(k)fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Benzo(ghi)perylene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Benzo(a)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
bis(2-Chloroethoxy)methane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
bis(2-Chloroethyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
bis(2-Chloroisopropyl) ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
bis(2-Ethylhexyl) phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Bromophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Butyl benzyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Chloroaniline	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Chloro-3-methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Chloronaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Chlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Chlorophenyl phenyl ether	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Chrysene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Dibenz(a,h)anthracene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Dibenzofuran	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Di-n-butyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
1,2-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
1,3-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
1,4-Dichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01

Client Sample ID: NPR-0518-G
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501022
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4-Dichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Diethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4-Dimethylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Dimethyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,6-Dinitrotoluene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Di-n-octyl phthalate	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Fluoranthene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Fluorene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Hexachlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Hexachlorobutadiene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Hexachloroethane	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Indeno(1,2,3-cd)pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Isophorone	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Methylnaphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Methylphenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Naphthalene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Nitrobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2-Nitrophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
N-Nitrosodiphenylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
N-Nitrosodi-n-propylamine	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Phenanthrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Phenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
Pyrene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
1,2,4-Trichlorobenzene	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4,5-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01
2,4,6-Trichlorophenol	ND		9900	5000	mg/kg		06/10/11 12:00	06/24/11 10:01	99.01

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*140000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
Unknown	*29000*		*mg/kg*		*8.50*		*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
Triphenyl phosphate	*25000*		*mg/kg*		*13.87*		*06/10/11 12:00*	*06/24/11 10:01*	*99.01*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*62 - 121*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
2-Fluorophenol	*111*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
Nitrobenzene-d5	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
Phenol-d5	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
Terphenyl-d14	*110*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*
2,4,6-Tribromophenol	*95*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:01*	*99.01*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-G

Lab Sample ID: G1E200501022

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**17.6**		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Barium	**0.26**	**B J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Beryllium	ND		0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Chromium	**0.15**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Cobalt	**1.2**	**B**	5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Copper	**22.1**		2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Lead	**0.34**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Selenium	ND		0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Vanadium	ND		5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:52	1
Zinc	**10.4**		2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:52	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:40	1

Client Sample ID: NPR-0518-H

Lab Sample ID: G1E200501023

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	1200000	330000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Trichlorofluoromethane (Freon 11)	ND		1200000	920000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Chloromethane	ND		1200000	640000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Vinyl chloride	ND		1200000	800000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Bromomethane	ND		1200000	460000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Chloroethane	ND		1200000	870000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1-Dichloroethene	ND		1200000	740000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Methylene chloride	ND		2500000	660000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
trans-1,2-Dichloroethene	ND		1200000	560000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1-Dichloroethane	ND		1200000	300000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
2,2-Dichloropropane	ND		1200000	610000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Bromochloromethane	ND		1200000	440000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Chloroform	ND		1200000	300000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1,1-Trichloroethane	ND		1200000	400000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Carbon tetrachloride	ND		1200000	680000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1-Dichloropropene	ND		1200000	220000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Benzene	ND		1200000	330000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2-Dichloroethane	ND		1200000	280000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Trichloroethene	ND		1200000	260000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2-Dichloropropane	ND		1200000	270000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Dibromomethane	ND		1200000	330000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Bromodichloromethane	ND		1200000	240000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
cis-1,3-Dichloropropene	ND		1200000	360000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-H

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501023

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**130000000**		1200000	360000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
trans-1,3-Dichloropropene	ND		1200000	220000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1,2-Trichloroethane	ND		1200000	360000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Tetrachloroethene	ND		1200000	180000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,3-Dichloropropane	ND		1200000	300000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Dibromochloromethane	ND		1200000	140000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2-Dibromoethane (EDB)	ND		1200000	150000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Chlorobenzene	ND		1200000	160000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1,1,2-Tetrachloroethane	ND		1200000	140000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Ethylbenzene	ND		1200000	280000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
m-Xylene & p-Xylene	ND		1200000	360000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
o-Xylene	ND		1200000	220000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Styrene	ND		1200000	140000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Bromoform	ND		1200000	150000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Isopropylbenzene	ND		1200000	120000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Bromobenzene	ND		1200000	240000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,1,2,2-Tetrachloroethane	ND		1200000	390000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2,3-Trichloropropane	ND		1200000	380000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
n-Propylbenzene	ND		1200000	170000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
2-Chlorotoluene	ND		1200000	150000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
4-Chlorotoluene	ND		1200000	170000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,3,5-Trimethylbenzene	ND		1200000	120000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
tert-Butylbenzene	ND		1200000	120000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2,4-Trimethylbenzene	ND		1200000	180000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
sec-Butylbenzene	ND		1200000	140000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,3-Dichlorobenzene	ND		1200000	190000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
p-Isopropyltoluene	ND		1200000	160000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,4-Dichlorobenzene	ND		1200000	240000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2-Dichlorobenzene	ND		1200000	190000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
n-Butylbenzene	ND		1200000	180000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2-Dibromo-3-chloropropane (DBCP)	ND		2500000	770000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2,4-Trichlorobenzene	ND		1200000	210000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Hexachlorobutadiene	ND		1200000	220000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Naphthalene	ND		1200000	360000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
1,2,3-Trichlorobenzene	ND		1200000	160000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
cis-1,2-Dichloroethene	ND		1200000	660000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
2-Butanone (MEK)	ND		2500000	1200000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
2-Hexanone	ND		1200000	620000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
4-Methyl-2-pentanone (MIBK)	ND		2500000	1200000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Acetone	ND		2500000	1200000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
Methyl tert-butyl ether (MTBE)	ND		2500000	1200000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000
t-Butanol	ND		62000000	31000000	ug/kg		06/03/11 09:03	06/03/11 15:33	5000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*110000*		*ug/kg*		*4.40*		*06/03/11 09:03*	*06/03/11 15:33*	*5000*
Acetic Acid, Butyl ester	*78000000*		*ug/kg*		*7.45*		*06/03/11 09:03*	*06/03/11 15:33*	*5000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*67 - 123*	*06/03/11 09:03*	*06/03/11 15:33*	*5000*
1,2-Dichloroethane-d4	*108*		*84 - 119*	*06/03/11 09:03*	*06/03/11 15:33*	*5000*
Toluene-d8	*95*		*85 - 122*	*06/03/11 09:03*	*06/03/11 15:33*	*5000*

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-H
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501023
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		87 - 119	06/03/11 09:03	06/03/11 15:33	5000

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Di-n-butyl phthalate	**88000**		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67

Client Sample ID: NPR-0518-H

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501023

Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:26	99.67

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*220000*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Unknown	*250000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Unknown	*5800*		*mg/kg*		*2.84*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*8100*		*mg/kg*		*5.44*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Unknown	*4600*		*mg/kg*		*8.62*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Benzenesulfonamide, 4-methyl-	*6200*		*mg/kg*		*9.00*		*06/10/11 12:00*	*06/24/11 10:26*	*99.67*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*62 - 121*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
2-Fluorophenol	*111*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Nitrobenzene-d5	*107*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Phenol-d5	*111*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
Terphenyl-d14	*125*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*
2,4,6-Tribromophenol	*90*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:26*	*99.67*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.16**	**B**	1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Barium	**206**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Beryllium	**0.032**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Chromium	**0.17**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Copper	**0.15**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Lead	**0.32**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Selenium	ND		0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:54	1

Client Sample ID: NPR-0518-H

Lab Sample ID: G1E200501023

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 6010B - Inductively Coupled Plasma (6010B Trace) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.076	B	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:54	1
Zinc	0.45	B	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:54	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	B	0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:41	1

Client Sample ID: NPR-0518-I

Lab Sample ID: G1E200501024

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	250000	66000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Trichlorofluoromethane (Freon 11)	ND		250000	180000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Chloromethane	ND		250000	130000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Vinyl chloride	ND		250000	160000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Bromomethane	ND		250000	93000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Chloroethane	ND		250000	170000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1-Dichloroethene	ND		250000	150000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Methylene chloride	ND		500000	130000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
trans-1,2-Dichloroethene	ND		250000	110000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1-Dichloroethane	ND		250000	61000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
2,2-Dichloropropane	ND		250000	120000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Bromochloromethane	ND		250000	87000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Chloroform	ND		250000	61000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1,1-Trichloroethane	ND		250000	80000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Carbon tetrachloride	ND		250000	140000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1-Dichloropropene	ND		250000	44000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Benzene	ND		250000	66000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2-Dichloroethane	ND		250000	55000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Trichloroethene	ND		250000	52000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2-Dichloropropane	ND		250000	54000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Dibromomethane	ND		250000	66000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Bromodichloromethane	ND		250000	49000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
cis-1,3-Dichloropropene	ND		250000	72000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Toluene	10000000		250000	73000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
trans-1,3-Dichloropropene	ND		250000	45000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1,2-Trichloroethane	ND		250000	72000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Tetrachloroethene	ND		250000	36000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,3-Dichloropropane	ND		250000	59000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Dibromochloromethane	ND		250000	28000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2-Dibromoethane (EDB)	ND		250000	30000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Chlorobenzene	ND		250000	32000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1,1,2-Tetrachloroethane	ND		250000	28000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Ethylbenzene	ND		250000	57000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
m-Xylene & p-Xylene	ND		250000	72000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
o-Xylene	ND		250000	45000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Styrene	ND		250000	29000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Bromoform	ND		250000	30000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000

Client Sample ID: NPR-0518-I
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501024
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		250000	25000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Bromobenzene	ND		250000	49000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,1,2,2-Tetrachloroethane	ND		250000	78000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2,3-Trichloropropane	ND		250000	76000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
n-Propylbenzene	ND		250000	34000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
2-Chlorotoluene	ND		250000	30000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
4-Chlorotoluene	ND		250000	34000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,3,5-Trimethylbenzene	ND		250000	25000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
tert-Butylbenzene	ND		250000	25000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2,4-Trimethylbenzene	ND		250000	35000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
sec-Butylbenzene	ND		250000	28000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,3-Dichlorobenzene	ND		250000	38000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
p-Isopropyltoluene	ND		250000	31000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,4-Dichlorobenzene	ND		250000	49000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2-Dichlorobenzene	ND		250000	38000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
n-Butylbenzene	ND		250000	36000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		500000	150000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2,4-Trichlorobenzene	ND		250000	42000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Hexachlorobutadiene	ND		250000	44000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Naphthalene	ND		250000	71000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
1,2,3-Trichlorobenzene	ND		250000	31000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
cis-1,2-Dichloroethene	ND		250000	130000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
2-Butanone (MEK)	ND		500000	250000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
2-Hexanone	ND		250000	120000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	250000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Acetone	**580000**		500000	250000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
Methyl tert-butyl ether (MTBE)	ND		500000	250000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000
t-Butanol	ND		12000000	6200000	ug/kg		06/03/11 09:03	06/03/11 15:56	1000

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*710000*		*ug/kg*		*2.93*		*06/03/11 09:03*	*06/03/11 15:56*	*1000*
Ethyl Acetate	*41000000*		*ug/kg*		*4.40*		*06/03/11 09:03*	*06/03/11 15:56*	*1000*
Acetic acid, 1-methylethyl ester	*2300000*		*ug/kg*		*5.15*		*06/03/11 09:03*	*06/03/11 15:56*	*1000*
Acetic acid, butyl ester	*110000000*		*ug/kg*		*7.46*		*06/03/11 09:03*	*06/03/11 15:56*	*1000*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*67 - 123*	*06/03/11 09:03*	*06/03/11 15:56*	*1000*
1,2-Dichloroethane-d4	*109*		*84 - 119*	*06/03/11 09:03*	*06/03/11 15:56*	*1000*
Toluene-d8	*95*		*85 - 122*	*06/03/11 09:03*	*06/03/11 15:56*	*1000*
4-Bromofluorobenzene	*101*		*87 - 119*	*06/03/11 09:03*	*06/03/11 15:56*	*1000*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Acenaphthylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Benz(a)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Benzo(b)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Benzo(k)fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Benzo(ghi)perylene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Benzo(a)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-I
Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501024
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis(2-Chloroethoxy)methane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
bis(2-Chloroethyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
bis(2-Chloroisopropyl) ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
bis(2-Ethylhexyl) phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Bromophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Butyl benzyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Chloroaniline	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Chloro-3-methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Chloronaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Chlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Chlorophenyl phenyl ether	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Chrysene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Dibenz(a,h)anthracene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Dibenzofuran	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Di-n-butyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
1,2-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
1,3-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
1,4-Dichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
3,3'-Dichlorobenzidine	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4-Dichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Diethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4-Dimethylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Dimethyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4,6-Dinitro-2-methylphenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4-Dinitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,6-Dinitrotoluene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Di-n-octyl phthalate	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Fluoranthene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Fluorene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Hexachlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Hexachlorobutadiene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Hexachlorocyclopentadiene	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Hexachloroethane	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Indeno(1,2,3-cd)pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Isophorone	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Methylnaphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Methylphenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
3-Methylphenol & 4-Methylphenol	ND		20000	10000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Naphthalene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
3-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Nitroaniline	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Nitrobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2-Nitrophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
4-Nitrophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
N-Nitrosodiphenylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
N-Nitrosodi-n-propylamine	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Pentachlorophenol	ND		50000	25000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Phenanthrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3

Client Sample ID: NPR-0518-I

Lab Sample ID: G1E200501024

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
Pyrene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
1,2,4-Trichlorobenzene	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4,5-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3
2,4,6-Trichlorophenol	ND		10000	5000	mg/kg		06/10/11 12:00	06/24/11 10:51	100.3

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*14000*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
Unknown	*330000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
Tributyl acetylcitrate	*52000*		*mg/kg*		*12.87*		*06/10/11 12:00*	*06/24/11 10:51*	*100.3*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*62 - 121*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
2-Fluorophenol	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
Nitrobenzene-d5	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
Phenol-d5	*109*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
Terphenyl-d14	*117*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*
2,4,6-Tribromophenol	*87*		*50 - 150*	*06/10/11 12:00*	*06/24/11 10:51*	*100.3*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Barium	**0.78**	**B J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Beryllium	**0.042**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Chromium	**0.090**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Copper	ND		2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Lead	ND		0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Selenium	ND		0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Vanadium	**0.067**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:57	1
Zinc	**0.55**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:57	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:43	1

Client Sample ID: NPR-0518-J

Lab Sample ID: G1E200501025

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 8260B - Volatile Organics, GC/MS (8260B)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND	Q	120000	33000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Trichlorofluoromethane (Freon 11)	ND		120000	92000	ug/kg		06/02/11 10:15	06/02/11 16:32	500

Client Sample ID: NPR-0518-J

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45

Lab Sample ID: G1E200501025

Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		120000	64000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Vinyl chloride	ND		120000	80000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Bromomethane	ND		120000	46000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Chloroethane	ND		120000	87000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1-Dichloroethene	ND		120000	74000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Methylene chloride	ND		250000	66000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
trans-1,2-Dichloroethene	ND		120000	56000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1-Dichloroethane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
2,2-Dichloropropane	ND		120000	61000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Bromochloromethane	ND		120000	44000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Chloroform	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1,1-Trichloroethane	ND		120000	40000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Carbon tetrachloride	ND		120000	68000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Benzene	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2-Dichloroethane	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Trichloroethene	ND		120000	26000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2-Dichloropropane	ND		120000	27000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Dibromomethane	ND		120000	33000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Bromodichloromethane	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
cis-1,3-Dichloropropene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Toluene	**360000**		120000	36000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
trans-1,3-Dichloropropene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1,2-Trichloroethane	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Tetrachloroethene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,3-Dichloropropane	ND		120000	30000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Dibromochloromethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2-Dibromoethane (EDB)	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Chlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1,1,2-Tetrachloroethane	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Ethylbenzene	ND		120000	28000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
m-Xylene & p-Xylene	**43000**	**J**	120000	36000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
o-Xylene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Styrene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Bromoform	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Isopropylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Bromobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,1,2,2-Tetrachloroethane	ND		120000	39000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2,3-Trichloropropane	ND		120000	38000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
n-Propylbenzene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
2-Chlorotoluene	ND		120000	15000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
4-Chlorotoluene	ND		120000	17000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,3,5-Trimethylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
tert-Butylbenzene	ND		120000	12000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2,4-Trimethylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
sec-Butylbenzene	ND		120000	14000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,3-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
p-Isopropyltoluene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,4-Dichlorobenzene	ND		120000	24000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2-Dichlorobenzene	ND		120000	19000	ug/kg		06/02/11 10:15	06/02/11 16:32	500

Client Sample ID: NPR-0518-J
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Lab Sample ID: G1E200501025
Matrix: Waste

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		120000	18000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2-Dibromo-3-chloropropane (DBCP)	ND		250000	77000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2,4-Trichlorobenzene	ND		120000	21000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Hexachlorobutadiene	ND		120000	22000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Naphthalene	ND		120000	36000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
1,2,3-Trichlorobenzene	ND		120000	16000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
cis-1,2-Dichloroethene	ND		120000	66000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
2-Butanone (MEK)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
2-Hexanone	ND		120000	62000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
4-Methyl-2-pentanone (MIBK)	**560000**		250000	120000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Acetone	**1600000**		250000	120000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
Methyl tert-butyl ether (MTBE)	ND		250000	120000	ug/kg		06/02/11 10:15	06/02/11 16:32	500
t-Butanol	ND		6200000	3100000	ug/kg		06/02/11 10:15	06/02/11 16:32	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*76000000*		*ug/kg*		*4.40*		*06/02/11 10:15*	*06/02/11 16:32*	*500*
Acetic Acid, 1-methylethyl ester	*19000000*		*ug/kg*		*5.15*		*06/02/11 10:15*	*06/02/11 16:32*	*500*
Unknown	*320000*		*ug/kg*		*5.59*		*06/02/11 10:15*	*06/02/11 16:32*	*500*
Acetic acid, butyl ester	*87000000*		*ug/kg*		*7.46*		*06/02/11 10:15*	*06/02/11 16:32*	*500*
Bicycl(2.2.1)Heptan-2-one, 1,7,7-trimet	*1200000*		*ug/kg*		*12.09*		*06/02/11 10:15*	*06/02/11 16:32*	*500*

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/02/11 10:15*	*06/02/11 16:32*	*500*
1,2-Dichloroethane-d4	*96*		*84 - 119*	*06/02/11 10:15*	*06/02/11 16:32*	*500*
Toluene-d8	*93*		*85 - 122*	*06/02/11 10:15*	*06/02/11 16:32*	*500*
4-Bromofluorobenzene	*107*		*87 - 119*	*06/02/11 10:15*	*06/02/11 16:32*	*500*

Method: 8270C - Base/Neutrals and Acids (8270C)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Acenaphthylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Benz(a)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Benzo(b)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Benzo(k)fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Benzo(ghi)perylene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Benzo(a)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
bis(2-Chloroethoxy)methane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
bis(2-Chloroethyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
bis(2-Chloroisopropyl) ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
bis(2-Ethylhexyl) phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Bromophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Butyl benzyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Chloroaniline	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Chloro-3-methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Chloronaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Chlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Chlorophenyl phenyl ether	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Chrysene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Dibenz(a,h)anthracene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68

Client Sample ID: NPR-0518-J
Date Collected: 05/17/11 00:00
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Lab Sample ID: G1E200501025
Matrix: Waste

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Di-n-butyl phthalate	**62000**		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
1,2-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
1,3-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
1,4-Dichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
3,3'-Dichlorobenzidine	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4-Dichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Diethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4-Dimethylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Dimethyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4,6-Dinitro-2-methylphenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4-Dinitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,6-Dinitrotoluene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Di-n-octyl phthalate	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Fluoranthene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Fluorene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Hexachlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Hexachlorobutadiene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Hexachlorocyclopentadiene	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Hexachloroethane	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Indeno(1,2,3-cd)pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Isophorone	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Methylnaphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Methylphenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
3-Methylphenol & 4-Methylphenol	ND		20000	9900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Naphthalene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
3-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Nitroaniline	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Nitrobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2-Nitrophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
4-Nitrophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
N-Nitrosodiphenylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
N-Nitrosodi-n-propylamine	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Pentachlorophenol	ND		49000	25000	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Phenanthrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Phenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
Pyrene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
1,2,4-Trichlorobenzene	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4,5-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68
2,4,6-Trichlorophenol	ND		9900	4900	mg/kg		06/10/11 12:00	06/24/11 11:17	98.68

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*190000*		*mg/kg*		*2.26*		*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Unknown	*220000*		*mg/kg*		*2.57*		*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	*7700*		*mg/kg*		*5.45*		*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Unknown	*4100*		*mg/kg*		*8.62*		*06/10/11 12:00*	*06/24/11 11:17*	*98.68*

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-J

Lab Sample ID: G1E200501025

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*62 - 121*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
2-Fluorophenol	*114*		*50 - 150*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Nitrobenzene-d5	*105*		*50 - 150*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Phenol-d5	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
Terphenyl-d14	*129*		*50 - 150*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*
2,4,6-Tribromophenol	*94*		*50 - 150*	*06/10/11 12:00*	*06/24/11 11:17*	*98.68*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.16**	**B**	1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Barium	**608**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Beryllium	**0.027**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Chromium	**0.10**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Cobalt	**0.12**	**B**	5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Copper	**0.11**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Lead	**0.44**	**B**	0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Molybdenum	ND		4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Selenium	**0.42**	**B J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Vanadium	ND		5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:59	1
Zinc	**0.67**	**B**	2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:59	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**B**	0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:45	1

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)

Lab Sample ID: G1E200501026

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Arsenic	**0.53**	**B**	1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Barium	**223**	**J**	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Beryllium	**0.036**	**B**	0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Chromium	**0.28**	**B J**	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Copper	**0.15**	**B**	2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Lead	ND		0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Molybdenum	**0.38**	**B J**	4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Nickel	**0.17**	**B**	4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Selenium	**1.3**	**J**	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:31	1

Client Sample Results

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)

Lab Sample ID: G1E200501026

Date Collected: 05/17/11 00:00

Matrix: Waste

Date Received: 05/20/11 11:45

Method: 6010B - Inductively Coupled Plasma (6010B Trace) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**0.098**	**B**	5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:31	1
Zinc	ND		2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:31	1

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:24	1

Surrogate Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Method: 8260B - Volatile Organics, GC/MS (8260B)

Matrix: Waste **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(67-123)	(84-119)	(85-122)	(87-119)
G1E200501001 - RE	NPR-0517-A	85	81 *	82 *	101
G1E200501001 - RE	NPR-0517-A	89	86	95	101
G1E200501001	NPR-0517-A	91	91	94	102
G1E200501002	NPR-0517-B	91	86	92	106
G1E200501003	NPR-0517-C	95	90	93	100
G1E200501004	NPR-0517-D	90	92	93	103
G1E200501005	NPR-0517-E	89	92	93	104
G1E200501006	NPR-0517-F	87	90	93	103
G1E200501007	NPR-0517-G	92	94	95	105
G1E200501008	NPR-0517-H	91	92	93	104
G1E200501009	NPR-0517-I	89	90	92	106
G1E200501010	NPR-0517-J	88	91	91	103
G1E200501011	NPR-0517-K	93	93	94	103
G1E200501011 - RE	NPR-0517-K	91	95	94	105
G1E200501011 - RE	NPR-0517-K	90	92	94	101
G1E200501012	NPR-0517-L	89	93	95	103
G1E200501013	NPR-0517-M	88	90	92	99
G1E200501014	NPR-0517-N	92	94	94	105
G1E200501015	NPR-0517-O	89	91	94	103
G1E200501016	NPR-0518-A	93	97	94	104
G1E200501017	NPR-0518-B	93	96	93	104
G1E200501018	NPR-0518-C	95	96	96	105
G1E200501019	NPR-0518-D	92	96	91	106
G1E200501020	NPR-0518-E	92	95	91	103
G1E200501021	NPR-0518-F	95	100	94	104
G1E200501021 - RE	NPR-0518-F	93	99	91	102
G1E200501021 - RE	NPR-0518-F	96	98	93	102
G1E200501022	NPR-0518-G	90	93	90	105
G1E200501023	NPR-0518-H	103	108	95	101
G1E200501024	NPR-0518-I	103	109	95	101
G1E200501025	NPR-0518-J	92	96	93	107
G1F020000117B	Method Blank	87	85	94	102
G1F020000117C	Lab Control Sample	89	82 *	95	107
G1F030000044B	Method Blank	92	94	93	105
G1F030000044C	Lab Control Sample	92	91	96	111
G1F060000057B	Method Blank	95	97	95	106
G1F060000057C	Lab Control Sample	96	95	95	111
G1F060000057L	Lab Control Sample Dup	94	94	95	112

Surrogate Legend

DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4
TOL = Toluene-d8
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Method: 8270C - Base/Neutrals and Acids (8270C)

Matrix: Waste **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(62-121)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
G1E200501001	NPR-0517-A	103	103	96	101	104	89
G1E200501002	NPR-0517-B	98	93	92	97	98	81
G1E200501003	NPR-0517-C	105	97	91	99	105	89
G1E200501004	NPR-0517-D	106	104	96	102	102	93
G1E200501005	NPR-0517-E	103	102	97	101	106	85
G1E200501006	NPR-0517-F	102	100	99	103	108	85
G1E200501007	NPR-0517-G	104	100	99	99	103	81
G1E200501007X	NPR-0517-G DUP	109	107	104	106	113	80
G1E200501007X	NPR-0517-G DUP	106	99	97	98	105	80
G1E200501008	NPR-0517-H	107	103	95	102	105	82
G1E200501009	NPR-0517-I	111	110	101	107	112	86
G1E200501010	NPR-0517-J	103	98	95	97	112	84
G1E200501011	NPR-0517-K	107	107	102	105	118	87
G1E200501012	NPR-0517-L	107	102	103	106	108	93
G1E200501013	NPR-0517-M	104	108	102	103	112	87
G1E200501014	NPR-0517-N	107	104	102	103	118	78
G1E200501015	NPR-0517-O	114	119	102	118	116	85
G1E200501015X	NPR-0517-O DUP	109	107	107	109	113	88
G1E200501015X	NPR-0517-O DUP	98	97	92	95	101	70
G1E200501016	NPR-0518-A	109	102	101	105	104	86
G1E200501017	NPR-0518-B	110	105	108	107	111	89
G1E200501018	NPR-0518-C	114	109	106	109	114	92
G1E200501019	NPR-0518-D	114	107	109	110	111	97
G1E200501020	NPR-0518-E	114	112	106	112	117	91
G1E200501021	NPR-0518-F	115	108	107	114	121	88
G1E200501022	NPR-0518-G	115	111	107	112	110	95
G1E200501023	NPR-0518-H	116	111	107	111	125	90
G1E200501024	NPR-0518-I	115	109	109	109	117	87
G1E200501025	NPR-0518-J	116	114	105	112	129	94
G1E200501025X	NPR-0518-J DUP	157 *	149	145	143	169 *	117
G1E200501025X	NPR-0518-J DUP	117	110	106	110	126	91
G1F130000183B	Method Blank	62	55	56	56	60	49 *
G1F130000183C	Lab Control Sample	92	83	84	83	88	94
G1F130000184B	Method Blank	98	99	93	99	102	79
G1F130000184C	Lab Control Sample	101	96	100	102	100	94
G1F130000185B	Method Blank	113	110	108	112	114	99
G1F130000185C	Lab Control Sample	104	98	103	103	108	99

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8260B - Volatile Organics, GC/MS (8260B)

Lab Sample ID: G1F020000117B
Matrix: Waste
Analysis Batch: 1153117

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1153117_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND		250	66	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Trichlorofluoromethane (Freon 11)	ND		250	180	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Chloromethane	ND		250	130	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Vinyl chloride	ND		250	160	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Bromomethane	ND		250	93	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Chloroethane	ND		250	170	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1-Dichloroethene	ND		250	150	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Methylene chloride	ND		500	130	ug/kg		06/01/11 10:03	06/01/11 11:14	1
trans-1,2-Dichloroethene	ND		250	110	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1-Dichloroethane	ND		250	61	ug/kg		06/01/11 10:03	06/01/11 11:14	1
2,2-Dichloropropane	ND		250	120	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Bromochloromethane	ND		250	87	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Chloroform	ND		250	61	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1,1-Trichloroethane	ND		250	80	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Carbon tetrachloride	ND		250	140	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1-Dichloropropene	ND		250	44	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Benzene	ND		250	66	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2-Dichloroethane	ND		250	55	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Trichloroethene	ND		250	52	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2-Dichloropropane	ND		250	54	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Dibromomethane	ND		250	66	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Bromodichloromethane	ND		250	49	ug/kg		06/01/11 10:03	06/01/11 11:14	1
cis-1,3-Dichloropropene	ND		250	72	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Toluene	ND		250	73	ug/kg		06/01/11 10:03	06/01/11 11:14	1
trans-1,3-Dichloropropene	ND		250	45	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1,2-Trichloroethane	ND		250	72	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Tetrachloroethene	ND		250	36	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,3-Dichloropropane	ND		250	59	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Dibromochloromethane	ND		250	28	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2-Dibromoethane (EDB)	ND		250	30	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Chlorobenzene	ND		250	32	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1,1,2-Tetrachloroethane	ND		250	28	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Ethylbenzene	ND		250	57	ug/kg		06/01/11 10:03	06/01/11 11:14	1
m-Xylene & p-Xylene	ND		250	72	ug/kg		06/01/11 10:03	06/01/11 11:14	1
o-Xylene	ND		250	45	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Styrene	ND		250	29	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Bromoform	ND		250	30	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Isopropylbenzene	ND		250	25	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Bromobenzene	ND		250	49	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,1,2,2-Tetrachloroethane	ND		250	78	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2,3-Trichloropropane	ND		250	76	ug/kg		06/01/11 10:03	06/01/11 11:14	1
n-Propylbenzene	ND		250	34	ug/kg		06/01/11 10:03	06/01/11 11:14	1
2-Chlorotoluene	ND		250	30	ug/kg		06/01/11 10:03	06/01/11 11:14	1
4-Chlorotoluene	ND		250	34	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,3,5-Trimethylbenzene	ND		250	25	ug/kg		06/01/11 10:03	06/01/11 11:14	1
tert-Butylbenzene	ND		250	25	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2,4-Trimethylbenzene	ND		250	35	ug/kg		06/01/11 10:03	06/01/11 11:14	1
sec-Butylbenzene	ND		250	28	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,3-Dichlorobenzene	ND		250	38	ug/kg		06/01/11 10:03	06/01/11 11:14	1

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F020000117B
Matrix: Waste
Analysis Batch: 1153117

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1153117_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		250	31	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,4-Dichlorobenzene	ND		250	49	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2-Dichlorobenzene	ND		250	38	ug/kg		06/01/11 10:03	06/01/11 11:14	1
n-Butylbenzene	ND		250	36	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2-Dibromo-3-chloropropane (DBCP)	ND		500	150	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2,4-Trichlorobenzene	ND		250	42	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Hexachlorobutadiene	ND		250	44	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Naphthalene	ND		250	71	ug/kg		06/01/11 10:03	06/01/11 11:14	1
1,2,3-Trichlorobenzene	ND		250	31	ug/kg		06/01/11 10:03	06/01/11 11:14	1
cis-1,2-Dichloroethene	ND		250	130	ug/kg		06/01/11 10:03	06/01/11 11:14	1
2-Butanone (MEK)	ND		500	500000	ug/kg		06/01/11 10:03	06/01/11 11:14	1
2-Hexanone	ND		250	250000	ug/kg		06/01/11 10:03	06/01/11 11:14	1
4-Methyl-2-pentanone (MIBK)	ND		500	500000	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Acetone	ND		500	500000	ug/kg		06/01/11 10:03	06/01/11 11:14	1
Methyl tert-butyl ether (MTBE)	ND		500	500000	ug/kg		06/01/11 10:03	06/01/11 11:14	1
t-Butanol	ND		12000	12000000	ug/kg		06/01/11 10:03	06/01/11 11:14	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
None			*ug/kg*				*06/01/11 10:03*	*06/01/11 11:14*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*87*		*67 - 123*	*06/01/11 10:03*	*06/01/11 11:14*	*1*
1,2-Dichloroethane-d4	*85*		*84 - 119*	*06/01/11 10:03*	*06/01/11 11:14*	*1*
Toluene-d8	*94*		*85 - 122*	*06/01/11 10:03*	*06/01/11 11:14*	*1*
4-Bromofluorobenzene	*102*		*87 - 119*	*06/01/11 10:03*	*06/01/11 11:14*	*1*

Lab Sample ID: G1F020000117C
Matrix: Waste
Analysis Batch: 1153117

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1153117_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dichlorodifluoromethane (Freon 12)	10000	8780		ug/kg		88	50 - 150
Trichlorofluoromethane (Freon 11)	10000	9690		ug/kg		97	50 - 150
Chloromethane	10000	9100		ug/kg		91	50 - 150
Vinyl chloride	10000	9220		ug/kg		92	50 - 150
Bromomethane	10000	9470		ug/kg		95	50 - 150
Chloroethane	10000	10400		ug/kg		104	50 - 150
1,1-Dichloroethene	10000	8640		ug/kg		86	50 - 150
Methylene chloride	10000	9440		ug/kg		94	50 - 150
trans-1,2-Dichloroethene	10000	9220		ug/kg		92	50 - 150
1,1-Dichloroethane	10000	9470		ug/kg		95	50 - 150
2,2-Dichloropropane	10000	9310		ug/kg		93	50 - 150
Bromochloromethane	10000	9190		ug/kg		92	50 - 150
Chloroform	10000	9380		ug/kg		94	50 - 150
1,1,1-Trichloroethane	10000	9280		ug/kg		93	50 - 150
Carbon tetrachloride	10000	9550		ug/kg		95	50 - 150
1,1-Dichloropropene	10000	9230		ug/kg		92	50 - 150

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F020000117C
Matrix: Waste
Analysis Batch: 1153117

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1153117_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	10000	9780		ug/kg		98	50 - 150
1,2-Dichloroethane	10000	9280		ug/kg		93	50 - 150
Trichloroethene	10000	9520		ug/kg		95	50 - 150
1,2-Dichloropropane	10000	9670		ug/kg		97	50 - 150
Dibromomethane	10000	9680		ug/kg		97	50 - 150
Bromodichloromethane	10000	10300		ug/kg		103	50 - 150
cis-1,3-Dichloropropene	10000	10300		ug/kg		103	50 - 150
Toluene	10000	9830		ug/kg		98	50 - 150
trans-1,3-Dichloropropene	10000	10500		ug/kg		105	50 - 150
1,1,2-Trichloroethane	10000	9970		ug/kg		100	50 - 150
Tetrachloroethene	10000	9090		ug/kg		91	50 - 150
1,3-Dichloropropane	10000	10200		ug/kg		102	50 - 150
Dibromochloromethane	10000	10900		ug/kg		109	50 - 150
1,2-Dibromoethane (EDB)	10000	9920		ug/kg		99	50 - 150
Chlorobenzene	10000	9670		ug/kg		97	50 - 150
1,1,1,2-Tetrachloroethane	10000	10600		ug/kg		106	50 - 150
Ethylbenzene	10000	10400		ug/kg		104	50 - 150
m-Xylene & p-Xylene	20000	19700		ug/kg		98	50 - 150
o-Xylene	10000	9740		ug/kg		97	50 - 150
Styrene	10000	10600		ug/kg		106	50 - 150
Bromoform	10000	9790		ug/kg		98	50 - 150
Isopropylbenzene	10000	9500		ug/kg		95	50 - 150
Bromobenzene	10000	10400		ug/kg		104	50 - 150
1,1,2,2-Tetrachloroethane	10000	10600		ug/kg		106	50 - 150
1,2,3-Trichloropropane	10000	10100		ug/kg		101	50 - 150
n-Propylbenzene	10000	10800		ug/kg		108	50 - 150
2-Chlorotoluene	10000	10400		ug/kg		104	50 - 150
4-Chlorotoluene	10000	10500		ug/kg		105	50 - 150
1,3,5-Trimethylbenzene	10000	10400		ug/kg		104	50 - 150
tert-Butylbenzene	10000	10500		ug/kg		105	50 - 150
1,2,4-Trimethylbenzene	10000	10600		ug/kg		106	50 - 150
sec-Butylbenzene	10000	10400		ug/kg		104	50 - 150
1,3-Dichlorobenzene	10000	10400		ug/kg		104	50 - 150
p-Isopropyltoluene	10000	10300		ug/kg		103	50 - 150
1,4-Dichlorobenzene	10000	9920		ug/kg		99	50 - 150
1,2-Dichlorobenzene	10000	10100		ug/kg		101	50 - 150
n-Butylbenzene	10000	10300		ug/kg		103	50 - 150
1,2-Dibromo-3-chloropropane (DBCP)	10000	9900		ug/kg		99	50 - 150
1,2,4-Trichlorobenzene	10000	9820		ug/kg		98	50 - 150
Hexachlorobutadiene	10000	9670		ug/kg		97	50 - 150
Naphthalene	10000	8610		ug/kg		86	50 - 150
1,2,3-Trichlorobenzene	10000	10100		ug/kg		101	50 - 150
cis-1,2-Dichloroethene	10000	9360		ug/kg		94	50 - 150
2-Butanone (MEK)	10000	10100		ug/kg		101	50 - 150
2-Hexanone	10000	11900		ug/kg		119	50 - 150
4-Methyl-2-pentanone (MIBK)	10000	10900		ug/kg		109	50 - 150
Acetone	10000	10400		ug/kg		104	50 - 150
Methyl tert-butyl ether (MTBE)	10000	10400		ug/kg		104	50 - 150
t-Butanol	250000	307000		ug/kg		123	50 - 150

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F020000117C
Matrix: Waste
Analysis Batch: 1153117

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1153117_P

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*89*		*67 - 123*
1,2-Dichloroethane-d4	*82*	*	*84 - 119*
Toluene-d8	*95*		*85 - 122*
4-Bromofluorobenzene	*107*		*87 - 119*

Lab Sample ID: G1F030000044B
Matrix: Waste
Analysis Batch: 1154044

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1154044_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND		250	66	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Trichlorofluoromethane (Freon 11)	ND		250	180	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Chloromethane	ND		250	130	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Vinyl chloride	ND		250	160	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Bromomethane	ND		250	93	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Chloroethane	ND		250	170	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1-Dichloroethene	ND		250	150	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Methylene chloride	ND		500	130	ug/kg		06/02/11 10:15	06/02/11 12:12	1
trans-1,2-Dichloroethene	ND		250	110	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1-Dichloroethane	ND		250	61	ug/kg		06/02/11 10:15	06/02/11 12:12	1
2,2-Dichloropropane	ND		250	120	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Bromochloromethane	ND		250	87	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Chloroform	ND		250	61	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1,1-Trichloroethane	ND		250	80	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Carbon tetrachloride	ND		250	140	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1-Dichloropropene	ND		250	44	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Benzene	ND		250	66	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2-Dichloroethane	ND		250	55	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Trichloroethene	ND		250	52	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2-Dichloropropane	ND		250	54	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Dibromomethane	ND		250	66	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Bromodichloromethane	ND		250	49	ug/kg		06/02/11 10:15	06/02/11 12:12	1
cis-1,3-Dichloropropene	ND		250	72	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Toluene	ND		250	73	ug/kg		06/02/11 10:15	06/02/11 12:12	1
trans-1,3-Dichloropropene	ND		250	45	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1,2-Trichloroethane	ND		250	72	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Tetrachloroethene	ND		250	36	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,3-Dichloropropane	ND		250	59	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Dibromochloromethane	ND		250	28	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2-Dibromoethane (EDB)	ND		250	30	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Chlorobenzene	ND		250	32	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,1,1,2-Tetrachloroethane	ND		250	28	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Ethylbenzene	ND		250	57	ug/kg		06/02/11 10:15	06/02/11 12:12	1
m-Xylene & p-Xylene	ND		250	72	ug/kg		06/02/11 10:15	06/02/11 12:12	1
o-Xylene	ND		250	45	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Styrene	ND		250	29	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Bromoform	ND		250	30	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Isopropylbenzene	ND		250	25	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Bromobenzene	ND		250	49	ug/kg		06/02/11 10:15	06/02/11 12:12	1

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F030000044B
Matrix: Waste
Analysis Batch: 1154044

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1154044_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		250	78	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2,3-Trichloropropane	ND		250	76	ug/kg		06/02/11 10:15	06/02/11 12:12	1
n-Propylbenzene	ND		250	34	ug/kg		06/02/11 10:15	06/02/11 12:12	1
2-Chlorotoluene	ND		250	30	ug/kg		06/02/11 10:15	06/02/11 12:12	1
4-Chlorotoluene	ND		250	34	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,3,5-Trimethylbenzene	ND		250	25	ug/kg		06/02/11 10:15	06/02/11 12:12	1
tert-Butylbenzene	ND		250	25	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2,4-Trimethylbenzene	ND		250	35	ug/kg		06/02/11 10:15	06/02/11 12:12	1
sec-Butylbenzene	ND		250	28	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,3-Dichlorobenzene	ND		250	38	ug/kg		06/02/11 10:15	06/02/11 12:12	1
p-Isopropyltoluene	ND		250	31	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,4-Dichlorobenzene	ND		250	49	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2-Dichlorobenzene	ND		250	38	ug/kg		06/02/11 10:15	06/02/11 12:12	1
n-Butylbenzene	ND		250	36	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2-Dibromo-3-chloropropane (DBCP)	ND		500	150	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2,4-Trichlorobenzene	ND		250	42	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Hexachlorobutadiene	ND		250	44	ug/kg		06/02/11 10:15	06/02/11 12:12	1
Naphthalene	ND		250	71	ug/kg		06/02/11 10:15	06/02/11 12:12	1
1,2,3-Trichlorobenzene	ND		250	31	ug/kg		06/02/11 10:15	06/02/11 12:12	1
cis-1,2-Dichloroethene	ND		250	130	ug/kg		06/02/11 10:15	06/02/11 12:12	1
2-Butanone (MEK)	ND		500		ug/kg		06/02/11 10:15	06/02/11 12:12	1
2-Hexanone	ND		250		ug/kg		06/02/11 10:15	06/02/11 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/kg		06/02/11 10:15	06/02/11 12:12	1
Acetone	ND		500		ug/kg		06/02/11 10:15	06/02/11 12:12	1
Methyl tert-butyl ether (MTBE)	ND		500		ug/kg		06/02/11 10:15	06/02/11 12:12	1
t-Butanol	ND		12000		ug/kg		06/02/11 10:15	06/02/11 12:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
None			*ug/kg*				*06/02/11 10:15*	*06/02/11 12:12*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*67 - 123*	*06/02/11 10:15*	*06/02/11 12:12*	*1*
1,2-Dichloroethane-d4	*94*		*84 - 119*	*06/02/11 10:15*	*06/02/11 12:12*	*1*
Toluene-d8	*93*		*85 - 122*	*06/02/11 10:15*	*06/02/11 12:12*	*1*
4-Bromofluorobenzene	*105*		*87 - 119*	*06/02/11 10:15*	*06/02/11 12:12*	*1*

Lab Sample ID: G1F030000044C
Matrix: Waste
Analysis Batch: 1154044

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1154044_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dichlorodifluoromethane (Freon 12)	10000	10100		ug/kg		101	50 - 150
Trichlorofluoromethane (Freon 11)	10000	11100		ug/kg		111	50 - 150
Chloromethane	10000	10300		ug/kg		103	50 - 150
Vinyl chloride	10000	10700		ug/kg		107	50 - 150
Bromomethane	10000	10900		ug/kg		109	50 - 150
Chloroethane	10000	10700		ug/kg		107	50 - 150

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F030000044C
Matrix: Waste
Analysis Batch: 1154044

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1154044_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethene	10000	8620		ug/kg		86	50 - 150
Methylene chloride	10000	9640		ug/kg		96	50 - 150
trans-1,2-Dichloroethene	10000	9810		ug/kg		98	50 - 150
1,1-Dichloroethane	10000	9940		ug/kg		99	50 - 150
2,2-Dichloropropane	10000	10800		ug/kg		108	50 - 150
Bromochloromethane	10000	9460		ug/kg		95	50 - 150
Chloroform	10000	10300		ug/kg		103	50 - 150
1,1,1-Trichloroethane	10000	10600		ug/kg		106	50 - 150
Carbon tetrachloride	10000	11300		ug/kg		113	50 - 150
1,1-Dichloropropene	10000	9530		ug/kg		95	50 - 150
Benzene	10000	9890		ug/kg		99	50 - 150
1,2-Dichloroethane	10000	10900		ug/kg		109	50 - 150
Trichloroethene	10000	9980		ug/kg		100	50 - 150
1,2-Dichloropropane	10000	9700		ug/kg		97	50 - 150
Dibromomethane	10000	10100		ug/kg		101	50 - 150
Bromodichloromethane	10000	11400		ug/kg		114	50 - 150
cis-1,3-Dichloropropene	10000	10800		ug/kg		108	50 - 150
Toluene	10000	9830		ug/kg		98	50 - 150
trans-1,3-Dichloropropene	10000	11400		ug/kg		114	50 - 150
1,1,2-Trichloroethane	10000	10600		ug/kg		106	50 - 150
Tetrachloroethene	10000	9260		ug/kg		93	50 - 150
1,3-Dichloropropane	10000	10400		ug/kg		104	50 - 150
Dibromochloromethane	10000	11700		ug/kg		117	50 - 150
1,2-Dibromoethane (EDB)	10000	10300		ug/kg		103	50 - 150
Chlorobenzene	10000	9940		ug/kg		99	50 - 150
1,1,1,2-Tetrachloroethane	10000	11200		ug/kg		112	50 - 150
Ethylbenzene	10000	10100		ug/kg		101	50 - 150
m-Xylene & p-Xylene	20000	19900		ug/kg		99	50 - 150
o-Xylene	10000	9870		ug/kg		99	50 - 150
Styrene	10000	10800		ug/kg		108	50 - 150
Bromoform	10000	10500		ug/kg		105	50 - 150
Isopropylbenzene	10000	9760		ug/kg		98	50 - 150
Bromobenzene	10000	10400		ug/kg		104	50 - 150
1,1,2,2-Tetrachloroethane	10000	10500		ug/kg		105	50 - 150
1,2,3-Trichloropropane	10000	10800		ug/kg		108	50 - 150
n-Propylbenzene	10000	10700		ug/kg		107	50 - 150
2-Chlorotoluene	10000	10500		ug/kg		105	50 - 150
4-Chlorotoluene	10000	10900		ug/kg		109	50 - 150
1,3,5-Trimethylbenzene	10000	10600		ug/kg		106	50 - 150
tert-Butylbenzene	10000	10600		ug/kg		106	50 - 150
1,2,4-Trimethylbenzene	10000	10900		ug/kg		109	50 - 150
sec-Butylbenzene	10000	10200		ug/kg		102	50 - 150
1,3-Dichlorobenzene	10000	10700		ug/kg		107	50 - 150
p-Isopropyltoluene	10000	10400		ug/kg		104	50 - 150
1,4-Dichlorobenzene	10000	10100		ug/kg		101	50 - 150
1,2-Dichlorobenzene	10000	10400		ug/kg		104	50 - 150
n-Butylbenzene	10000	10400		ug/kg		104	50 - 150
1,2-Dibromo-3-chloropropane (DBCP)	10000	11200		ug/kg		112	50 - 150
1,2,4-Trichlorobenzene	10000	9840		ug/kg		98	50 - 150

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F030000044C
Matrix: Waste
Analysis Batch: 1154044

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1154044_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexachlorobutadiene	10000	9790		ug/kg		98	50 - 150
Naphthalene	10000	8560		ug/kg		86	50 - 150
1,2,3-Trichlorobenzene	10000	9930		ug/kg		99	50 - 150
cis-1,2-Dichloroethene	10000	9620		ug/kg		96	50 - 150
2-Butanone (MEK)	10000	9670		ug/kg		97	50 - 150
2-Hexanone	10000	11800		ug/kg		118	50 - 150
4-Methyl-2-pentanone (MIBK)	10000	10700		ug/kg		107	50 - 150
Acetone	10000	10600		ug/kg		106	50 - 150
Methyl tert-butyl ether (MTBE)	10000	11000		ug/kg		110	50 - 150
t-Butanol	250000	318000		ug/kg		127	50 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*92*		*67 - 123*
1,2-Dichloroethane-d4	*91*		*84 - 119*
Toluene-d8	*96*		*85 - 122*
4-Bromofluorobenzene	*111*		*87 - 119*

Lab Sample ID: G1F060000057B
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1157057_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane (Freon 12)	ND		250	66	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Trichlorofluoromethane (Freon 11)	ND		250	180	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Chloromethane	ND		250	130	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Vinyl chloride	ND		250	160	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Bromomethane	ND		250	93	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Chloroethane	ND		250	170	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1-Dichloroethene	ND		250	150	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Methylene chloride	ND		500	130	ug/kg		06/03/11 09:03	06/03/11 10:14	1
trans-1,2-Dichloroethene	ND		250	110	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1-Dichloroethane	ND		250	61	ug/kg		06/03/11 09:03	06/03/11 10:14	1
2,2-Dichloropropane	ND		250	120	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Bromochloromethane	ND		250	87	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Chloroform	ND		250	61	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1,1-Trichloroethane	ND		250	80	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Carbon tetrachloride	ND		250	140	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1-Dichloropropene	ND		250	44	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Benzene	ND		250	66	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2-Dichloroethane	ND		250	55	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Trichloroethene	ND		250	52	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2-Dichloropropane	ND		250	54	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Dibromomethane	ND		250	66	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Bromodichloromethane	ND		250	49	ug/kg		06/03/11 09:03	06/03/11 10:14	1
cis-1,3-Dichloropropene	ND		250	72	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Toluene	ND		250	73	ug/kg		06/03/11 09:03	06/03/11 10:14	1
trans-1,3-Dichloropropene	ND		250	45	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1,2-Trichloroethane	ND		250	72	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Tetrachloroethene	ND		250	36	ug/kg		06/03/11 09:03	06/03/11 10:14	1

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F060000057B
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1157057_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		250	59	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Dibromochloromethane	ND		250	28	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2-Dibromoethane (EDB)	ND		250	30	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Chlorobenzene	ND		250	32	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1,1,2-Tetrachloroethane	ND		250	28	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Ethylbenzene	ND		250	57	ug/kg		06/03/11 09:03	06/03/11 10:14	1
m-Xylene & p-Xylene	ND		250	72	ug/kg		06/03/11 09:03	06/03/11 10:14	1
o-Xylene	ND		250	45	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Styrene	ND		250	29	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Bromoform	ND		250	30	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Isopropylbenzene	ND		250	25	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Bromobenzene	ND		250	49	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,1,2,2-Tetrachloroethane	ND		250	78	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2,3-Trichloropropane	ND		250	76	ug/kg		06/03/11 09:03	06/03/11 10:14	1
n-Propylbenzene	ND		250	34	ug/kg		06/03/11 09:03	06/03/11 10:14	1
2-Chlorotoluene	ND		250	30	ug/kg		06/03/11 09:03	06/03/11 10:14	1
4-Chlorotoluene	ND		250	34	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,3,5-Trimethylbenzene	ND		250	25	ug/kg		06/03/11 09:03	06/03/11 10:14	1
tert-Butylbenzene	ND		250	25	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2,4-Trimethylbenzene	ND		250	35	ug/kg		06/03/11 09:03	06/03/11 10:14	1
sec-Butylbenzene	ND		250	28	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,3-Dichlorobenzene	ND		250	38	ug/kg		06/03/11 09:03	06/03/11 10:14	1
p-Isopropyltoluene	ND		250	31	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,4-Dichlorobenzene	ND		250	49	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2-Dichlorobenzene	ND		250	38	ug/kg		06/03/11 09:03	06/03/11 10:14	1
n-Butylbenzene	ND		250	36	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2-Dibromo-3-chloropropane (DBCP)	ND		500	150	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2,4-Trichlorobenzene	ND		250	42	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Hexachlorobutadiene	ND		250	44	ug/kg		06/03/11 09:03	06/03/11 10:14	1
Naphthalene	ND		250	71	ug/kg		06/03/11 09:03	06/03/11 10:14	1
1,2,3-Trichlorobenzene	ND		250	31	ug/kg		06/03/11 09:03	06/03/11 10:14	1
cis-1,2-Dichloroethene	ND		250	130	ug/kg		06/03/11 09:03	06/03/11 10:14	1
2-Butanone (MEK)	ND		500		ug/kg		06/03/11 09:03	06/03/11 10:14	1
2-Hexanone	ND		250		ug/kg		06/03/11 09:03	06/03/11 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/kg		06/03/11 09:03	06/03/11 10:14	1
Acetone	ND		500		ug/kg		06/03/11 09:03	06/03/11 10:14	1
Methyl tert-butyl ether (MTBE)	ND		500		ug/kg		06/03/11 09:03	06/03/11 10:14	1
t-Butanol	ND		12000		ug/kg		06/03/11 09:03	06/03/11 10:14	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.5*		*ug/kg*		*1.83*		*06/03/11 09:03*	*06/03/11 10:14*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*67 - 123*	*06/03/11 09:03*	*06/03/11 10:14*	*1*
1,2-Dichloroethane-d4	*97*		*84 - 119*	*06/03/11 09:03*	*06/03/11 10:14*	*1*
Toluene-d8	*95*		*85 - 122*	*06/03/11 09:03*	*06/03/11 10:14*	*1*
4-Bromofluorobenzene	*106*		*87 - 119*	*06/03/11 09:03*	*06/03/11 10:14*	*1*

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F060000057C
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1157057_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dichlorodifluoromethane (Freon 12)	10000	10400		ug/kg		104	50 - 150
Trichlorofluoromethane (Freon 11)	10000	11900		ug/kg		119	50 - 150
Chloromethane	10000	10300		ug/kg		103	50 - 150
Vinyl chloride	10000	11100		ug/kg		111	50 - 150
Bromomethane	10000	11900		ug/kg		119	50 - 150
Chloroethane	10000	11200		ug/kg		112	50 - 150
1,1-Dichloroethene	10000	8480		ug/kg		85	50 - 150
Methylene chloride	10000	9790		ug/kg		98	50 - 150
trans-1,2-Dichloroethene	10000	9520		ug/kg		95	50 - 150
1,1-Dichloroethane	10000	10100		ug/kg		101	50 - 150
2,2-Dichloropropane	10000	11000		ug/kg		110	50 - 150
Bromochloromethane	10000	9700		ug/kg		97	50 - 150
Chloroform	10000	10700		ug/kg		107	50 - 150
1,1,1-Trichloroethane	10000	10900		ug/kg		109	50 - 150
Carbon tetrachloride	10000	11200		ug/kg		112	50 - 150
1,1-Dichloropropene	10000	9650		ug/kg		96	50 - 150
Benzene	10000	9860		ug/kg		99	50 - 150
1,2-Dichloroethane	10000	11600		ug/kg		116	50 - 150
Trichloroethene	10000	9840		ug/kg		98	50 - 150
1,2-Dichloropropane	10000	9780		ug/kg		98	50 - 150
Dibromomethane	10000	10700		ug/kg		107	50 - 150
Bromodichloromethane	10000	11500		ug/kg		115	50 - 150
cis-1,3-Dichloropropene	10000	10700		ug/kg		107	50 - 150
Toluene	10000	9700		ug/kg		97	50 - 150
trans-1,3-Dichloropropene	10000	11600		ug/kg		116	50 - 150
1,1,2-Trichloroethane	10000	10600		ug/kg		106	50 - 150
Tetrachloroethene	10000	9210		ug/kg		92	50 - 150
1,3-Dichloropropane	10000	10400		ug/kg		104	50 - 150
Dibromochloromethane	10000	11900		ug/kg		119	50 - 150
1,2-Dibromoethane (EDB)	10000	10200		ug/kg		102	50 - 150
Chlorobenzene	10000	9740		ug/kg		97	50 - 150
1,1,1,2-Tetrachloroethane	10000	11500		ug/kg		115	50 - 150
Ethylbenzene	10000	9970		ug/kg		100	50 - 150
m-Xylene & p-Xylene	20000	19600		ug/kg		98	50 - 150
o-Xylene	10000	9870		ug/kg		99	50 - 150
Styrene	10000	10600		ug/kg		106	50 - 150
Bromoform	10000	11100		ug/kg		111	50 - 150
Isopropylbenzene	10000	9550		ug/kg		96	50 - 150
Bromobenzene	10000	10400		ug/kg		104	50 - 150
1,1,2,2-Tetrachloroethane	10000	10600		ug/kg		106	50 - 150
1,2,3-Trichloropropane	10000	10600		ug/kg		106	50 - 150
n-Propylbenzene	10000	10400		ug/kg		104	50 - 150
2-Chlorotoluene	10000	10400		ug/kg		104	50 - 150
4-Chlorotoluene	10000	10700		ug/kg		107	50 - 150
1,3,5-Trimethylbenzene	10000	10400		ug/kg		104	50 - 150
tert-Butylbenzene	10000	10400		ug/kg		104	50 - 150
1,2,4-Trimethylbenzene	10000	10600		ug/kg		106	50 - 150
sec-Butylbenzene	10000	9770		ug/kg		98	50 - 150

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F060000057C
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1157057_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	10000	10300		ug/kg		103	50 - 150
p-Isopropyltoluene	10000	10100		ug/kg		101	50 - 150
1,4-Dichlorobenzene	10000	9750		ug/kg		97	50 - 150
1,2-Dichlorobenzene	10000	10100		ug/kg		101	50 - 150
n-Butylbenzene	10000	9820		ug/kg		98	50 - 150
1,2-Dibromo-3-chloropropane (DBCP)	10000	11000		ug/kg		110	50 - 150
1,2,4-Trichlorobenzene	10000	9740		ug/kg		97	50 - 150
Hexachlorobutadiene	10000	9440		ug/kg		94	50 - 150
Naphthalene	10000	8380		ug/kg		84	50 - 150
1,2,3-Trichlorobenzene	10000	10100		ug/kg		101	50 - 150
cis-1,2-Dichloroethene	10000	9600		ug/kg		96	50 - 150
2-Butanone (MEK)	10000	9880		ug/kg		99	50 - 150
2-Hexanone	10000	11300		ug/kg		113	50 - 150
4-Methyl-2-pentanone (MIBK)	10000	10700		ug/kg		107	50 - 150
Acetone	10000	11200		ug/kg		112	50 - 150
Methyl tert-butyl ether (MTBE)	10000	11500		ug/kg		115	50 - 150
t-Butanol	250000	322000		ug/kg		129	50 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*96*		*67 - 123*
1,2-Dichloroethane-d4	*95*		*84 - 119*
Toluene-d8	*95*		*85 - 122*
4-Bromofluorobenzene	*111*		*87 - 119*

Lab Sample ID: G1F060000057L
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 1157057_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane (Freon 12)	10000	10100		ug/kg		101	50 - 150	3.0	50
Trichlorofluoromethane (Freon 11)	10000	11100		ug/kg		111	50 - 150	6.7	50
Chloromethane	10000	10000		ug/kg		100	50 - 150	2.6	50
Vinyl chloride	10000	10500		ug/kg		105	50 - 150	5.6	50
Bromomethane	10000	11000		ug/kg		110	50 - 150	7.7	50
Chloroethane	10000	10800		ug/kg		108	50 - 150	4.0	50
1,1-Dichloroethene	10000	8070		ug/kg		81	50 - 150	4.9	50
Methylene chloride	10000	9220		ug/kg		92	50 - 150	6.0	50
trans-1,2-Dichloroethene	10000	9090		ug/kg		91	50 - 150	4.7	50
1,1-Dichloroethane	10000	9450		ug/kg		95	50 - 150	6.2	50
2,2-Dichloropropane	10000	10200		ug/kg		102	50 - 150	7.1	50
Bromochloromethane	10000	9380		ug/kg		94	50 - 150	3.3	50
Chloroform	10000	9950		ug/kg		99	50 - 150	6.8	50
1,1,1-Trichloroethane	10000	10100		ug/kg		101	50 - 150	7.5	50
Carbon tetrachloride	10000	10400		ug/kg		104	50 - 150	7.1	50
1,1-Dichloropropene	10000	8900		ug/kg		89	50 - 150	8.0	50
Benzene	10000	9130		ug/kg		91	50 - 150	7.7	50
1,2-Dichloroethane	10000	10500		ug/kg		105	50 - 150	9.9	50

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F060000057L
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 1157057_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Trichloroethene	10000	9330		ug/kg		93	50 - 150	5.4	50
1,2-Dichloropropane	10000	9130		ug/kg		91	50 - 150	7.0	50
Dibromomethane	10000	10000		ug/kg		100	50 - 150	6.5	50
Bromodichloromethane	10000	11100		ug/kg		111	50 - 150	3.7	50
cis-1,3-Dichloropropene	10000	10300		ug/kg		103	50 - 150	3.9	50
Toluene	10000	9260		ug/kg		93	50 - 150	4.7	50
trans-1,3-Dichloropropene	10000	10700		ug/kg		107	50 - 150	7.3	50
1,1,2-Trichloroethane	10000	9800		ug/kg		98	50 - 150	7.7	50
Tetrachloroethene	10000	8620		ug/kg		86	50 - 150	6.6	50
1,3-Dichloropropane	10000	9880		ug/kg		99	50 - 150	5.1	50
Dibromochloromethane	10000	11400		ug/kg		114	50 - 150	3.5	50
1,2-Dibromoethane (EDB)	10000	9840		ug/kg		98	50 - 150	3.2	50
Chlorobenzene	10000	9380		ug/kg		94	50 - 150	3.8	50
1,1,1,2-Tetrachloroethane	10000	11100		ug/kg		111	50 - 150	3.3	50
Ethylbenzene	10000	9940		ug/kg		99	50 - 150	0.27	50
m-Xylene & p-Xylene	20000	18800		ug/kg		94	50 - 150	4.3	50
o-Xylene	10000	9480		ug/kg		95	50 - 150	4.0	50
Styrene	10000	10300		ug/kg		103	50 - 150	2.7	50
Bromoform	10000	10300		ug/kg		103	50 - 150	6.7	50
Isopropylbenzene	10000	9170		ug/kg		92	50 - 150	4.1	50
Bromobenzene	10000	9810		ug/kg		98	50 - 150	6.2	50
1,1,2,2-Tetrachloroethane	10000	10100		ug/kg		101	50 - 150	5.1	50
1,2,3-Trichloropropane	10000	9720		ug/kg		97	50 - 150	8.8	50
n-Propylbenzene	10000	9930		ug/kg		99	50 - 150	4.3	50
2-Chlorotoluene	10000	9820		ug/kg		98	50 - 150	5.4	50
4-Chlorotoluene	10000	10200		ug/kg		102	50 - 150	4.0	50
1,3,5-Trimethylbenzene	10000	10000		ug/kg		100	50 - 150	3.9	50
tert-Butylbenzene	10000	9800		ug/kg		98	50 - 150	6.4	50
1,2,4-Trimethylbenzene	10000	10100		ug/kg		101	50 - 150	4.9	50
sec-Butylbenzene	10000	9380		ug/kg		94	50 - 150	4.1	50
1,3-Dichlorobenzene	10000	9930		ug/kg		99	50 - 150	3.8	50
p-Isopropyltoluene	10000	9550		ug/kg		95	50 - 150	5.3	50
1,4-Dichlorobenzene	10000	9370		ug/kg		94	50 - 150	3.9	50
1,2-Dichlorobenzene	10000	9790		ug/kg		98	50 - 150	3.3	50
n-Butylbenzene	10000	9370		ug/kg		94	50 - 150	4.7	50
1,2-Dibromo-3-chloropropane (DBCP)	10000	10200		ug/kg		102	50 - 150	7.5	50
1,2,4-Trichlorobenzene	10000	9170		ug/kg		92	50 - 150	6.0	50
Hexachlorobutadiene	10000	8940		ug/kg		89	50 - 150	5.4	50
Naphthalene	10000	7980		ug/kg		80	50 - 150	4.8	50
1,2,3-Trichlorobenzene	10000	9360		ug/kg		94	50 - 150	7.7	50
cis-1,2-Dichloroethene	10000	9110		ug/kg		91	50 - 150	5.3	50
2-Butanone (MEK)	10000	9270		ug/kg		93	50 - 150	6.4	50
2-Hexanone	10000	10900		ug/kg		109	50 - 150	3.6	50
4-Methyl-2-pentanone (MIBK)	10000	10400		ug/kg		104	50 - 150	3.7	50
Acetone	10000	10700		ug/kg		107	50 - 150	4.1	50
Methyl tert-butyl ether (MTBE)	10000	10700		ug/kg		107	50 - 150	7.1	50
t-Butanol	250000	297000		ug/kg		119	50 - 150	8.1	50

Method: 8260B - Volatile Organics, GC/MS (8260B) (Continued)

Lab Sample ID: G1F060000057L
Matrix: Waste
Analysis Batch: 1157057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 1157057_P

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane	*94*		*67 - 123*
1,2-Dichloroethane-d4	*94*		*84 - 119*
Toluene-d8	*95*		*85 - 122*
4-Bromofluorobenzene	*112*		*87 - 119*

Method: 8270C - Base/Neutrals and Acids (8270C)

Lab Sample ID: G1F130000183B
Matrix: Waste
Analysis Batch: 1164183

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1164183_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Acenaphthylene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Anthracene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Benz(a)anthracene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Benzo(b)fluoranthene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Benzo(k)fluoranthene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Benzo(ghi)perylene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Benzo(a)pyrene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
bis(2-Chloroethoxy)methane	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
bis(2-Chloroethyl) ether	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
bis(2-Chloroisopropyl) ether	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
bis(2-Ethylhexyl) phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Bromophenyl phenyl ether	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Butyl benzyl phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Chloroaniline	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Chloro-3-methylphenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Chloronaphthalene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Chlorophenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Chlorophenyl phenyl ether	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Chrysene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Dibenz(a,h)anthracene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Dibenzofuran	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Di-n-butyl phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
1,2-Dichlorobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
1,3-Dichlorobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
1,4-Dichlorobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
3,3'-Dichlorobenzidine	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4-Dichlorophenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Diethyl phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4-Dimethylphenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Dimethyl phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4,6-Dinitro-2-methylphenol	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4-Dinitrophenol	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4-Dinitrotoluene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,6-Dinitrotoluene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Di-n-octyl phthalate	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Fluoranthene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000183B — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164183 — **Prep Batch: 1164183_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Hexachlorobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Hexachlorobutadiene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Hexachlorocyclopentadiene	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Hexachloroethane	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Indeno(1,2,3-cd)pyrene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Isophorone	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Methylnaphthalene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Methylphenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
3-Methylphenol & 4-Methylphenol	ND		200	100	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Naphthalene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Nitroaniline	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
3-Nitroaniline	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Nitroaniline	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Nitrobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2-Nitrophenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
4-Nitrophenol	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
N-Nitrosodiphenylamine	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
N-Nitrosodi-n-propylamine	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Pentachlorophenol	ND		500	250	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Phenanthrene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Phenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
Pyrene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
1,2,4-Trichlorobenzene	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4,5-Trichlorophenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1
2,4,6-Trichlorophenol	ND		100	50	mg/kg		06/13/11 12:00	06/23/11 20:06	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
None			*mg/kg*				*06/13/11 12:00*	*06/23/11 20:06*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*62 - 121*	*06/13/11 12:00*	*06/23/11 20:06*	*1*
2-Fluorophenol	*55*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:06*	*1*
Nitrobenzene-d5	*56*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:06*	*1*
Phenol-d5	*56*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:06*	*1*
Terphenyl-d14	*60*		*50 - 150*	*06/13/11 12:00*	*06/23/11 20:06*	*1*
2,4,6-Tribromophenol	*49*	*	*50 - 150*	*06/13/11 12:00*	*06/23/11 20:06*	*1*

Lab Sample ID: G1F130000183C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164183 — **Prep Batch: 1164183_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	400	409		mg/kg		102	50 - 150
Acenaphthylene	400	442		mg/kg		110	50 - 150
Anthracene	400	419		mg/kg		105	50 - 150
Benz(a)anthracene	400	408		mg/kg		102	50 - 150
Benzo(b)fluoranthene	400	450		mg/kg		112	50 - 150
Benzo(k)fluoranthene	400	428		mg/kg		107	50 - 150

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000183C
Matrix: Waste
Analysis Batch: 1164183

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1164183_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzo(ghi)perylene	400	431		mg/kg		108	50 - 150
Benzo(a)pyrene	400	386		mg/kg		96	50 - 150
bis(2-Chloroethoxy)methane	400	416		mg/kg		104	50 - 150
bis(2-Chloroethyl) ether	400	410		mg/kg		103	50 - 150
bis(2-Chloroisopropyl) ether	400	406		mg/kg		101	50 - 150
bis(2-Ethylhexyl) phthalate	400	417		mg/kg		104	50 - 150
4-Bromophenyl phenyl ether	400	440		mg/kg		110	50 - 150
Butyl benzyl phthalate	400	404		mg/kg		101	50 - 150
4-Chloroaniline	400	390		mg/kg		97	50 - 150
4-Chloro-3-methylphenol	400	422		mg/kg		106	50 - 150
2-Chloronaphthalene	400	420		mg/kg		105	50 - 150
2-Chlorophenol	400	390		mg/kg		98	50 - 150
4-Chlorophenyl phenyl ether	400	416		mg/kg		104	50 - 150
Chrysene	400	410		mg/kg		102	50 - 150
Dibenz(a,h)anthracene	400	436		mg/kg		109	50 - 150
Dibenzofuran	400	431		mg/kg		108	50 - 150
Di-n-butyl phthalate	400	434		mg/kg		109	50 - 150
1,2-Dichlorobenzene	400	401		mg/kg		100	50 - 150
1,3-Dichlorobenzene	400	408		mg/kg		102	50 - 150
1,4-Dichlorobenzene	400	411		mg/kg		103	50 - 150
3,3'-Dichlorobenzidine	400	349		mg/kg		87	50 - 150
2,4-Dichlorophenol	400	414		mg/kg		104	50 - 150
Diethyl phthalate	400	427		mg/kg		107	50 - 150
2,4-Dimethylphenol	400	400		mg/kg		100	50 - 150
Dimethyl phthalate	400	434		mg/kg		109	50 - 150
4,6-Dinitro-2-methylphenol	400	373		mg/kg		93	50 - 150
2,4-Dinitrophenol	400	342		mg/kg		85	50 - 150
2,4-Dinitrotoluene	400	424		mg/kg		106	50 - 150
2,6-Dinitrotoluene	400	424		mg/kg		106	50 - 150
Di-n-octyl phthalate	400	350		mg/kg		87	50 - 150
Fluoranthene	400	433		mg/kg		108	50 - 150
Fluorene	400	414		mg/kg		103	50 - 150
Hexachlorobenzene	400	418		mg/kg		105	50 - 150
Hexachlorobutadiene	400	423		mg/kg		106	50 - 150
Hexachlorocyclopentadiene	400	371		mg/kg		93	50 - 150
Hexachloroethane	400	405		mg/kg		101	50 - 150
Indeno(1,2,3-cd)pyrene	400	405		mg/kg		101	50 - 150
Isophorone	400	410		mg/kg		103	50 - 150
2-Methylnaphthalene	400	402		mg/kg		101	50 - 150
2-Methylphenol	400	406		mg/kg		102	50 - 150
Naphthalene	400	410		mg/kg		102	50 - 150
2-Nitroaniline	400	415		mg/kg		104	50 - 150
3-Nitroaniline	400	411		mg/kg		103	50 - 150
4-Nitroaniline	400	432		mg/kg		108	50 - 150
Nitrobenzene	400	420		mg/kg		105	50 - 150
2-Nitrophenol	400	434		mg/kg		108	50 - 150
4-Nitrophenol	400	384		mg/kg		96	50 - 150
N-Nitrosodiphenylamine	400	404		mg/kg		101	50 - 150
N-Nitrosodi-n-propylamine	400	403		mg/kg		101	50 - 150
Pentachlorophenol	400	372		mg/kg		93	50 - 150

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000183C
Matrix: Waste
Analysis Batch: 1164183

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1164183_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenanthrene	400	427		mg/kg		107	50 - 150
Phenol	400	392		mg/kg		98	50 - 150
Pyrene	400	410		mg/kg		102	50 - 150
1,2,4-Trichlorobenzene	400	401		mg/kg		100	50 - 150
2,4,5-Trichlorophenol	400	439		mg/kg		110	50 - 150
2,4,6-Trichlorophenol	400	412		mg/kg		103	50 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*62 - 121*
2-Fluorophenol	*83*		*50 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Phenol-d5	*83*		*50 - 150*
Terphenyl-d14	*88*		*50 - 150*
2,4,6-Tribromophenol	*94*		*50 - 150*

Lab Sample ID: G1E200501007X
Matrix: Waste
Analysis Batch: 1164183

Client Sample ID: NPR-0517-G DUP
Prep Type: Total
Prep Batch: 1164183_P

Analyte	Sample Result	Sample Qualifier	LR1 Result	LR1 Qualifier	Unit	D	RPD	RPD Limit
Acenaphthene	ND		ND		mg/kg		0	50
Acenaphthylene	ND		ND		mg/kg		0	50
Anthracene	ND		ND		mg/kg		0	50
Benz(a)anthracene	ND		ND		mg/kg		0	50
Benzo(b)fluoranthene	ND		ND		mg/kg		0	50
Benzo(k)fluoranthene	ND		ND		mg/kg		0	50
Benzo(ghi)perylene	ND		ND		mg/kg		0	50
Benzo(a)pyrene	ND		ND		mg/kg		0	50
bis(2-Chloroethoxy)methane	ND		ND		mg/kg		0	50
bis(2-Chloroethyl) ether	ND		ND		mg/kg		0	50
bis(2-Chloroisopropyl) ether	ND		ND		mg/kg		0	0.0
bis(2-Ethylhexyl) phthalate	ND		ND		mg/kg		0	50
4-Bromophenyl phenyl ether	ND		ND		mg/kg		0	50
Butyl benzyl phthalate	ND		ND		mg/kg		0	50
4-Chloroaniline	ND		ND		mg/kg		0	50
4-Chloro-3-methylphenol	ND		ND		mg/kg		0	50
2-Chloronaphthalene	ND		ND		mg/kg		0	50
2-Chlorophenol	ND		ND		mg/kg		0	50
4-Chlorophenyl phenyl ether	ND		ND		mg/kg		0	50
Chrysene	ND		ND		mg/kg		0	50
Dibenz(a,h)anthracene	ND		ND		mg/kg		0	50
Dibenzofuran	ND		ND		mg/kg		0	50
Di-n-butyl phthalate	ND		ND		mg/kg		0	50
1,2-Dichlorobenzene	ND		ND		mg/kg		0	50
1,3-Dichlorobenzene	ND		ND		mg/kg		0	50
1,4-Dichlorobenzene	ND		ND		mg/kg		0	50
3,3'-Dichlorobenzidine	ND		ND		mg/kg		0	50
2,4-Dichlorophenol	ND		ND		mg/kg		0	50
Diethyl phthalate	ND		ND		mg/kg		0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501007X | **Client Sample ID: NPR-0517-G DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164183 | **Prep Batch: 1164183_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*109*		*62 - 121*
2-Fluorophenol	*107*		*50 - 150*
Nitrobenzene-d5	*104*		*50 - 150*
Phenol-d5	*106*		*50 - 150*
Terphenyl-d14	*113*		*50 - 150*
2,4,6-Tribromophenol	*80*		*50 - 150*

Lab Sample ID: G1E200501007X | **Client Sample ID: NPR-0517-G DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164183 | **Prep Batch: 1164183_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthene	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501007X
Matrix: Waste
Analysis Batch: 1164183

Client Sample ID: NPR-0517-G DUP
Prep Type: Total
Prep Batch: 1164183_P

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthylene	ND			ND		mg/kg				0	50
Anthracene	ND			ND		mg/kg				0	50
Benz(a)anthracene	ND			ND		mg/kg				0	50
Benzo(b)fluoranthene	ND			ND		mg/kg				0	50
Benzo(k)fluoranthene	ND			ND		mg/kg				0	50
Benzo(ghi)perylene	ND			ND		mg/kg				0	50
Benzo(a)pyrene	ND			ND		mg/kg				0	50
bis(2-Chloroethoxy)methane	ND			ND		mg/kg				0	50
bis(2-Chloroethyl) ether	ND			ND		mg/kg				0	50
bis(2-Chloroisopropyl) ether	ND			ND		mg/kg				0	0.0
bis(2-Ethylhexyl) phthalate	ND			ND		mg/kg				0	50
4-Bromophenyl phenyl ether	ND			ND		mg/kg				0	50
Butyl benzyl phthalate	ND			ND		mg/kg				0	50
4-Chloroaniline	ND			ND		mg/kg				0	50
4-Chloro-3-methylphenol	ND			ND		mg/kg				0	50
2-Chloronaphthalene	ND			ND		mg/kg				0	50
2-Chlorophenol	ND			ND		mg/kg				0	50
4-Chlorophenyl phenyl ether	ND			ND		mg/kg				0	50
Chrysene	ND			ND		mg/kg				0	50
Dibenz(a,h)anthracene	ND			ND		mg/kg				0	50
Dibenzofuran	ND			ND		mg/kg				0	50
Di-n-butyl phthalate	ND			ND		mg/kg				0	50
1,2-Dichlorobenzene	ND			ND		mg/kg				0	50
1,3-Dichlorobenzene	ND			ND		mg/kg				0	50
1,4-Dichlorobenzene	ND			ND		mg/kg				0	50
3,3'-Dichlorobenzidine	ND			ND		mg/kg				0	50
2,4-Dichlorophenol	ND			ND		mg/kg				0	50
Diethyl phthalate	ND			ND		mg/kg				0	50
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501007X | **Client Sample ID: NPR-0517-G DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164183 | **Prep Batch: 1164183_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*106*		*62 - 121*
2-Fluorophenol	*99*		*50 - 150*
Nitrobenzene-d5	*97*		*50 - 150*
Phenol-d5	*98*		*50 - 150*
Terphenyl-d14	*105*		*50 - 150*
2,4,6-Tribromophenol	*80*		*50 - 150*

Lab Sample ID: G1F130000184B | **Client Sample ID: Method Blank**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164184 | **Prep Batch: 1164184_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Acenaphthylene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Benz(a)anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Benzo(b)fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Benzo(k)fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Benzo(ghi)perylene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Benzo(a)pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
bis(2-Chloroethoxy)methane	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
bis(2-Chloroethyl) ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
bis(2-Chloroisopropyl) ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
bis(2-Ethylhexyl) phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Bromophenyl phenyl ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Butyl benzyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Chloroaniline	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Chloro-3-methylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Chloronaphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Chlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Chlorophenyl phenyl ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Chrysene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Dibenz(a,h)anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Dibenzofuran	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Di-n-butyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000184B
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1164184_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
1,3-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
1,4-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
3,3'-Dichlorobenzidine	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4-Dichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Diethyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4-Dimethylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Dimethyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4,6-Dinitro-2-methylphenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4-Dinitrophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4-Dinitrotoluene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,6-Dinitrotoluene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Di-n-octyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Fluorene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Hexachlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Hexachlorobutadiene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Hexachlorocyclopentadiene	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Hexachloroethane	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Indeno(1,2,3-cd)pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Isophorone	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Methylnaphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Methylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
3-Methylphenol & 4-Methylphenol	ND		200	100	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Naphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
3-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Nitrobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2-Nitrophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
4-Nitrophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
N-Nitrosodiphenylamine	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
N-Nitrosodi-n-propylamine	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Pentachlorophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Phenanthrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Phenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
Pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
1,2,4-Trichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4,5-Trichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1
2,4,6-Trichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 01:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
None			*mg/kg*				*06/10/11 12:00*	*06/24/11 01:12*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*62 - 121*	*06/10/11 12:00*	*06/24/11 01:12*	*1*
2-Fluorophenol	*99*		*50 - 150*	*06/10/11 12:00*	*06/24/11 01:12*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*06/10/11 12:00*	*06/24/11 01:12*	*1*
Phenol-d5	*99*		*50 - 150*	*06/10/11 12:00*	*06/24/11 01:12*	*1*

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000184B
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1164184_P

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		50 - 150	06/10/11 12:00	06/24/11 01:12	1
2,4,6-Tribromophenol	79		50 - 150	06/10/11 12:00	06/24/11 01:12	1

Lab Sample ID: G1F130000184C
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1164184_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	400	358		mg/kg		89	50 - 150
Acenaphthylene	400	393		mg/kg		98	50 - 150
Anthracene	400	385		mg/kg		96	50 - 150
Benz(a)anthracene	400	365		mg/kg		91	50 - 150
Benzo(b)fluoranthene	400	380		mg/kg		95	50 - 150
Benzo(k)fluoranthene	400	405		mg/kg		101	50 - 150
Benzo(ghi)perylene	400	363		mg/kg		91	50 - 150
Benzo(a)pyrene	400	348		mg/kg		87	50 - 150
bis(2-Chloroethoxy)methane	400	387		mg/kg		97	50 - 150
bis(2-Chloroethyl) ether	400	376		mg/kg		94	50 - 150
bis(2-Chloroisopropyl) ether	400	400		mg/kg		100	50 - 150
bis(2-Ethylhexyl) phthalate	400	394		mg/kg		98	50 - 150
4-Bromophenyl phenyl ether	400	398		mg/kg		100	50 - 150
Butyl benzyl phthalate	400	376		mg/kg		94	50 - 150
4-Chloroaniline	400	351		mg/kg		88	50 - 150
4-Chloro-3-methylphenol	400	390		mg/kg		98	50 - 150
2-Chloronaphthalene	400	378		mg/kg		94	50 - 150
2-Chlorophenol	400	369		mg/kg		92	50 - 150
4-Chlorophenyl phenyl ether	400	391		mg/kg		98	50 - 150
Chrysene	400	376		mg/kg		94	50 - 150
Dibenz(a,h)anthracene	400	366		mg/kg		92	50 - 150
Dibenzofuran	400	389		mg/kg		97	50 - 150
Di-n-butyl phthalate	400	391		mg/kg		98	50 - 150
1,2-Dichlorobenzene	400	383		mg/kg		96	50 - 150
1,3-Dichlorobenzene	400	372		mg/kg		93	50 - 150
1,4-Dichlorobenzene	400	378		mg/kg		94	50 - 150
3,3'-Dichlorobenzidine	400	310		mg/kg		77	50 - 150
2,4-Dichlorophenol	400	375		mg/kg		94	50 - 150
Diethyl phthalate	400	392		mg/kg		98	50 - 150
2,4-Dimethylphenol	400	368		mg/kg		92	50 - 150
Dimethyl phthalate	400	386		mg/kg		96	50 - 150
4,6-Dinitro-2-methylphenol	400	327		mg/kg		82	50 - 150
2,4-Dinitrophenol	400	284		mg/kg		71	50 - 150
2,4-Dinitrotoluene	400	384		mg/kg		96	50 - 150
2,6-Dinitrotoluene	400	401		mg/kg		100	50 - 150
Di-n-octyl phthalate	400	312		mg/kg		78	50 - 150
Fluoranthene	400	380		mg/kg		95	50 - 150
Fluorene	400	376		mg/kg		94	50 - 150
Hexachlorobenzene	400	372		mg/kg		93	50 - 150
Hexachlorobutadiene	400	378		mg/kg		95	50 - 150
Hexachlorocyclopentadiene	400	334		mg/kg		84	50 - 150

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000184C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164184 — **Prep Batch: 1164184_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexachloroethane	400	364		mg/kg		91	50 - 150
Indeno(1,2,3-cd)pyrene	400	336		mg/kg		84	50 - 150
Isophorone	400	381		mg/kg		95	50 - 150
2-Methylnaphthalene	400	369		mg/kg		92	50 - 150
2-Methylphenol	400	379		mg/kg		95	50 - 150
Naphthalene	400	373		mg/kg		93	50 - 150
2-Nitroaniline	400	386		mg/kg		97	50 - 150
3-Nitroaniline	400	388		mg/kg		97	50 - 150
4-Nitroaniline	400	383		mg/kg		96	50 - 150
Nitrobenzene	400	377		mg/kg		94	50 - 150
2-Nitrophenol	400	351		mg/kg		88	50 - 150
4-Nitrophenol	400	335		mg/kg		84	50 - 150
N-Nitrosodiphenylamine	400	371		mg/kg		93	50 - 150
N-Nitrosodi-n-propylamine	400	372		mg/kg		93	50 - 150
Pentachlorophenol	400	330		mg/kg		83	50 - 150
Phenanthrene	400	382		mg/kg		95	50 - 150
Phenol	400	374		mg/kg		93	50 - 150
Pyrene	400	402		mg/kg		100	50 - 150
1,2,4-Trichlorobenzene	400	367		mg/kg		92	50 - 150
2,4,5-Trichlorophenol	400	378		mg/kg		94	50 - 150
2,4,6-Trichlorophenol	400	373		mg/kg		93	50 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*101*		*62 - 121*
2-Fluorophenol	*96*		*50 - 150*
Nitrobenzene-d5	*100*		*50 - 150*
Phenol-d5	*102*		*50 - 150*
Terphenyl-d14	*100*		*50 - 150*
2,4,6-Tribromophenol	*94*		*50 - 150*

Lab Sample ID: G1E200501015X — **Client Sample ID: NPR-0517-O DUP**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164184 — **Prep Batch: 1164184_P**

Analyte	Sample Result	Sample Qualifier	LR1 Result	LR1 Qualifier	Unit	D	RPD	RPD Limit
Acenaphthene	ND		ND		mg/kg		0	50
Acenaphthylene	ND		ND		mg/kg		0	50
Anthracene	ND		ND		mg/kg		0	50
Benz(a)anthracene	ND		ND		mg/kg		0	50
Benzo(b)fluoranthene	ND		ND		mg/kg		0	50
Benzo(k)fluoranthene	ND		ND		mg/kg		0	50
Benzo(ghi)perylene	ND		ND		mg/kg		0	50
Benzo(a)pyrene	ND		ND		mg/kg		0	50
bis(2-Chloroethoxy)methane	ND		ND		mg/kg		0	50
bis(2-Chloroethyl) ether	ND		ND		mg/kg		0	50
bis(2-Chloroisopropyl) ether	ND		ND		mg/kg		0	0.0
bis(2-Ethylhexyl) phthalate	ND		ND		mg/kg		0	50
4-Bromophenyl phenyl ether	ND		ND		mg/kg		0	50
Butyl benzyl phthalate	ND		ND		mg/kg		0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501015X
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: NPR-0517-O DUP
Prep Type: Total
Prep Batch: 1164184_P

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
4-Chloroaniline	ND			ND		mg/kg				0	50
4-Chloro-3-methylphenol	ND			ND		mg/kg				0	50
2-Chloronaphthalene	ND			ND		mg/kg				0	50
2-Chlorophenol	ND			ND		mg/kg				0	50
4-Chlorophenyl phenyl ether	ND			ND		mg/kg				0	50
Chrysene	ND			ND		mg/kg				0	50
Dibenz(a,h)anthracene	ND			ND		mg/kg				0	50
Dibenzofuran	ND			ND		mg/kg				0	50
Di-n-butyl phthalate	ND			ND		mg/kg				0	50
1,2-Dichlorobenzene	ND			ND		mg/kg				0	50
1,3-Dichlorobenzene	ND			ND		mg/kg				0	50
1,4-Dichlorobenzene	ND			ND		mg/kg				0	50
3,3'-Dichlorobenzidine	ND			ND		mg/kg				0	50
2,4-Dichlorophenol	ND			ND		mg/kg				0	50
Diethyl phthalate	ND			ND		mg/kg				0	50
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501015X
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: NPR-0517-O DUP
Prep Type: Total
Prep Batch: 1164184_P

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*109*		*62 - 121*
2-Fluorophenol	*107*		*50 - 150*
Nitrobenzene-d5	*107*		*50 - 150*
Phenol-d5	*109*		*50 - 150*
Terphenyl-d14	*113*		*50 - 150*
2,4,6-Tribromophenol	*88*		*50 - 150*

Lab Sample ID: G1E200501015X
Matrix: Waste
Analysis Batch: 1164184

Client Sample ID: NPR-0517-O DUP
Prep Type: Total
Prep Batch: 1164184_P

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthene	ND			ND		mg/kg				0	50
Acenaphthylene	ND			ND		mg/kg				0	50
Anthracene	ND			ND		mg/kg				0	50
Benz(a)anthracene	ND			ND		mg/kg				0	50
Benzo(b)fluoranthene	ND			ND		mg/kg				0	50
Benzo(k)fluoranthene	ND			ND		mg/kg				0	50
Benzo(ghi)perylene	ND			ND		mg/kg				0	50
Benzo(a)pyrene	ND			ND		mg/kg				0	50
bis(2-Chloroethoxy)methane	ND			ND		mg/kg				0	50
bis(2-Chloroethyl) ether	ND			ND		mg/kg				0	50
bis(2-Chloroisopropyl) ether	ND			ND		mg/kg				0	0.0
bis(2-Ethylhexyl) phthalate	ND			ND		mg/kg				0	50
4-Bromophenyl phenyl ether	ND			ND		mg/kg				0	50
Butyl benzyl phthalate	ND			ND		mg/kg				0	50
4-Chloroaniline	ND			ND		mg/kg				0	50
4-Chloro-3-methylphenol	ND			ND		mg/kg				0	50
2-Chloronaphthalene	ND			ND		mg/kg				0	50
2-Chlorophenol	ND			ND		mg/kg				0	50
4-Chlorophenyl phenyl ether	ND			ND		mg/kg				0	50
Chrysene	ND			ND		mg/kg				0	50
Dibenz(a,h)anthracene	ND			ND		mg/kg				0	50
Dibenzofuran	ND			ND		mg/kg				0	50
Di-n-butyl phthalate	ND			ND		mg/kg				0	50
1,2-Dichlorobenzene	ND			ND		mg/kg				0	50
1,3-Dichlorobenzene	ND			ND		mg/kg				0	50
1,4-Dichlorobenzene	ND			ND		mg/kg				0	50
3,3'-Dichlorobenzidine	ND			ND		mg/kg				0	50
2,4-Dichlorophenol	ND			ND		mg/kg				0	50
Diethyl phthalate	ND			ND		mg/kg				0	50
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501015X | **Client Sample ID: NPR-0517-O DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164184 | **Prep Batch: 1164184_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*62 - 121*
2-Fluorophenol	*97*		*50 - 150*
Nitrobenzene-d5	*92*		*50 - 150*
Phenol-d5	*95*		*50 - 150*
Terphenyl-d14	*101*		*50 - 150*
2,4,6-Tribromophenol	*70*		*50 - 150*

Lab Sample ID: G1F130000185B | **Client Sample ID: Method Blank**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164185 | **Prep Batch: 1164185_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Acenaphthylene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Benz(a)anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Benzo(b)fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Benzo(k)fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Benzo(ghi)perylene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Benzo(a)pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
bis(2-Chloroethoxy)methane	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000185B
Matrix: Waste
Analysis Batch: 1164185

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1164185_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis(2-Chloroethyl) ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
bis(2-Chloroisopropyl) ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
bis(2-Ethylhexyl) phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Bromophenyl phenyl ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Butyl benzyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Chloroaniline	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Chloro-3-methylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Chloronaphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Chlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Chlorophenyl phenyl ether	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Chrysene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Dibenz(a,h)anthracene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Dibenzofuran	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Di-n-butyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
1,2-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
1,3-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
1,4-Dichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
3,3'-Dichlorobenzidine	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4-Dichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Diethyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4-Dimethylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Dimethyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4,6-Dinitro-2-methylphenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4-Dinitrophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4-Dinitrotoluene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,6-Dinitrotoluene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Di-n-octyl phthalate	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Fluoranthene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Fluorene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Hexachlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Hexachlorobutadiene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Hexachlorocyclopentadiene	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Hexachloroethane	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Indeno(1,2,3-cd)pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Isophorone	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Methylnaphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Methylphenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
3-Methylphenol & 4-Methylphenol	ND		200	100	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Naphthalene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
3-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Nitroaniline	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Nitrobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2-Nitrophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
4-Nitrophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
N-Nitrosodiphenylamine	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
N-Nitrosodi-n-propylamine	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Pentachlorophenol	ND		500	250	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Phenanthrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
Phenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000185B — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164185 — **Prep Batch: 1164185_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
1,2,4-Trichlorobenzene	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4,5-Trichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1
2,4,6-Trichlorophenol	ND		100	50	mg/kg		06/10/11 12:00	06/24/11 07:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
None			*mg/kg*				*06/10/11 12:00*	*06/24/11 07:03*	*1*

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*113*		*62 - 121*	*06/10/11 12:00*	*06/24/11 07:03*	*1*
2-Fluorophenol	*110*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:03*	*1*
Nitrobenzene-d5	*108*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:03*	*1*
Phenol-d5	*112*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:03*	*1*
Terphenyl-d14	*114*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:03*	*1*
2,4,6-Tribromophenol	*99*		*50 - 150*	*06/10/11 12:00*	*06/24/11 07:03*	*1*

Lab Sample ID: G1F130000185C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164185 — **Prep Batch: 1164185_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	400	365		mg/kg		91	50 - 150
Acenaphthylene	400	396		mg/kg		99	50 - 150
Anthracene	400	392		mg/kg		98	50 - 150
Benz(a)anthracene	400	370		mg/kg		92	50 - 150
Benzo(b)fluoranthene	400	392		mg/kg		98	50 - 150
Benzo(k)fluoranthene	400	390		mg/kg		98	50 - 150
Benzo(ghi)perylene	400	369		mg/kg		92	50 - 150
Benzo(a)pyrene	400	351		mg/kg		88	50 - 150
bis(2-Chloroethoxy)methane	400	392		mg/kg		98	50 - 150
bis(2-Chloroethyl) ether	400	384		mg/kg		96	50 - 150
bis(2-Chloroisopropyl) ether	400	392		mg/kg		98	50 - 150
bis(2-Ethylhexyl) phthalate	400	395		mg/kg		99	50 - 150
4-Bromophenyl phenyl ether	400	394		mg/kg		98	50 - 150
Butyl benzyl phthalate	400	376		mg/kg		94	50 - 150
4-Chloroaniline	400	362		mg/kg		91	50 - 150
4-Chloro-3-methylphenol	400	392		mg/kg		98	50 - 150
2-Chloronaphthalene	400	380		mg/kg		95	50 - 150
2-Chlorophenol	400	358		mg/kg		90	50 - 150
4-Chlorophenyl phenyl ether	400	385		mg/kg		96	50 - 150
Chrysene	400	389		mg/kg		97	50 - 150
Dibenz(a,h)anthracene	400	379		mg/kg		95	50 - 150
Dibenzofuran	400	385		mg/kg		96	50 - 150
Di-n-butyl phthalate	400	393		mg/kg		98	50 - 150
1,2-Dichlorobenzene	400	372		mg/kg		93	50 - 150
1,3-Dichlorobenzene	400	372		mg/kg		93	50 - 150
1,4-Dichlorobenzene	400	369		mg/kg		92	50 - 150
3,3'-Dichlorobenzidine	400	311		mg/kg		78	50 - 150
2,4-Dichlorophenol	400	377		mg/kg		94	50 - 150

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1F130000185C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164185 — **Prep Batch: 1164185_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Diethyl phthalate	400	382		mg/kg		95	50 - 150
2,4-Dimethylphenol	400	369		mg/kg		92	50 - 150
Dimethyl phthalate	400	385		mg/kg		96	50 - 150
4,6-Dinitro-2-methylphenol	400	344		mg/kg		86	50 - 150
2,4-Dinitrophenol	400	314		mg/kg		78	50 - 150
2,4-Dinitrotoluene	400	390		mg/kg		98	50 - 150
2,6-Dinitrotoluene	400	387		mg/kg		97	50 - 150
Di-n-octyl phthalate	400	316		mg/kg		79	50 - 150
Fluoranthene	400	392		mg/kg		98	50 - 150
Fluorene	400	381		mg/kg		95	50 - 150
Hexachlorobenzene	400	387		mg/kg		97	50 - 150
Hexachlorobutadiene	400	388		mg/kg		97	50 - 150
Hexachlorocyclopentadiene	400	357		mg/kg		89	50 - 150
Hexachloroethane	400	360		mg/kg		90	50 - 150
Indeno(1,2,3-cd)pyrene	400	348		mg/kg		87	50 - 150
Isophorone	400	385		mg/kg		96	50 - 150
2-Methylnaphthalene	400	361		mg/kg		90	50 - 150
2-Methylphenol	400	366		mg/kg		92	50 - 150
Naphthalene	400	370		mg/kg		92	50 - 150
2-Nitroaniline	400	390		mg/kg		98	50 - 150
3-Nitroaniline	400	403		mg/kg		101	50 - 150
4-Nitroaniline	400	390		mg/kg		98	50 - 150
Nitrobenzene	400	388		mg/kg		97	50 - 150
2-Nitrophenol	400	358		mg/kg		89	50 - 150
4-Nitrophenol	400	384		mg/kg		96	50 - 150
N-Nitrosodiphenylamine	400	372		mg/kg		93	50 - 150
N-Nitrosodi-n-propylamine	400	367		mg/kg		92	50 - 150
Pentachlorophenol	400	328		mg/kg		82	50 - 150
Phenanthrene	400	379		mg/kg		95	50 - 150
Phenol	400	370		mg/kg		92	50 - 150
Pyrene	400	393		mg/kg		98	50 - 150
1,2,4-Trichlorobenzene	400	371		mg/kg		93	50 - 150
2,4,5-Trichlorophenol	400	384		mg/kg		96	50 - 150
2,4,6-Trichlorophenol	400	377		mg/kg		94	50 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*104*		*62 - 121*
2-Fluorophenol	*98*		*50 - 150*
Nitrobenzene-d5	*103*		*50 - 150*
Phenol-d5	*103*		*50 - 150*
Terphenyl-d14	*108*		*50 - 150*
2,4,6-Tribromophenol	*99*		*50 - 150*

Lab Sample ID: G1E200501025X — **Client Sample ID: NPR-0518-J DUP**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164185 — **Prep Batch: 1164185_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthene	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501025X
Matrix: Waste
Analysis Batch: 1164185

Client Sample ID: NPR-0518-J DUP
Prep Type: Total
Prep Batch: 1164185_P

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthylene	ND			ND		mg/kg				0	50
Anthracene	ND			ND		mg/kg				0	50
Benz(a)anthracene	ND			ND		mg/kg				0	50
Benzo(b)fluoranthene	ND			ND		mg/kg				0	50
Benzo(k)fluoranthene	ND			ND		mg/kg				0	50
Benzo(ghi)perylene	ND			ND		mg/kg				0	50
Benzo(a)pyrene	ND			ND		mg/kg				0	50
bis(2-Chloroethoxy)methane	ND			ND		mg/kg				0	50
bis(2-Chloroethyl) ether	ND			ND		mg/kg				0	50
bis(2-Chloroisopropyl) ether	ND			ND		mg/kg				0	0.0
bis(2-Ethylhexyl) phthalate	ND			ND		mg/kg				0	50
4-Bromophenyl phenyl ether	ND			ND		mg/kg				0	50
Butyl benzyl phthalate	ND			ND		mg/kg				0	50
4-Chloroaniline	ND			ND		mg/kg				0	50
4-Chloro-3-methylphenol	ND			ND		mg/kg				0	50
2-Chloronaphthalene	ND			ND		mg/kg				0	50
2-Chlorophenol	ND			ND		mg/kg				0	50
4-Chlorophenyl phenyl ether	ND			ND		mg/kg				0	50
Chrysene	ND			ND		mg/kg				0	50
Dibenz(a,h)anthracene	ND			ND		mg/kg				0	50
Dibenzofuran	ND			ND		mg/kg				0	50
Di-n-butyl phthalate	62000			60000		mg/kg				2.4	50
1,2-Dichlorobenzene	ND			ND		mg/kg				0	50
1,3-Dichlorobenzene	ND			ND		mg/kg				0	50
1,4-Dichlorobenzene	ND			ND		mg/kg				0	50
3,3'-Dichlorobenzidine	ND			ND		mg/kg				0	50
2,4-Dichlorophenol	ND			ND		mg/kg				0	50
Diethyl phthalate	ND			ND		mg/kg				0	50
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501025X | **Client Sample ID: NPR-0518-J DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164185 | **Prep Batch: 1164185_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*157*	*	*62 - 121*
2-Fluorophenol	*149*		*50 - 150*
Nitrobenzene-d5	*145*		*50 - 150*
Phenol-d5	*143*		*50 - 150*
Terphenyl-d14	*169*	*	*50 - 150*
2,4,6-Tribromophenol	*117*		*50 - 150*

Lab Sample ID: G1E200501025X | **Client Sample ID: NPR-0518-J DUP**
Matrix: Waste | **Prep Type: Total**
Analysis Batch: 1164185 | **Prep Batch: 1164185_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Acenaphthene	ND			ND		mg/kg				0	50
Acenaphthylene	ND			ND		mg/kg				0	50
Anthracene	ND			ND		mg/kg				0	50
Benz(a)anthracene	ND			ND		mg/kg				0	50
Benzo(b)fluoranthene	ND			ND		mg/kg				0	50
Benzo(k)fluoranthene	ND			ND		mg/kg				0	50
Benzo(ghi)perylene	ND			ND		mg/kg				0	50
Benzo(a)pyrene	ND			ND		mg/kg				0	50
bis(2-Chloroethoxy)methane	ND			ND		mg/kg				0	50
bis(2-Chloroethyl) ether	ND			ND		mg/kg				0	50
bis(2-Chloroisopropyl) ether	ND			ND		mg/kg				0	0.0
bis(2-Ethylhexyl) phthalate	ND			ND		mg/kg				0	50
4-Bromophenyl phenyl ether	ND			ND		mg/kg				0	50
Butyl benzyl phthalate	ND			ND		mg/kg				0	50
4-Chloroaniline	ND			ND		mg/kg				0	50
4-Chloro-3-methylphenol	ND			ND		mg/kg				0	50
2-Chloronaphthalene	ND			ND		mg/kg				0	50
2-Chlorophenol	ND			ND		mg/kg				0	50
4-Chlorophenyl phenyl ether	ND			ND		mg/kg				0	50
Chrysene	ND			ND		mg/kg				0	50
Dibenz(a,h)anthracene	ND			ND		mg/kg				0	50
Dibenzofuran	ND			ND		mg/kg				0	50
Di-n-butyl phthalate	62000			62000		mg/kg				0.50	50

Method: 8270C - Base/Neutrals and Acids (8270C) (Continued)

Lab Sample ID: G1E200501025X
Matrix: Waste
Analysis Batch: 1164185

Client Sample ID: NPR-0518-J DUP
Prep Type: Total
Prep Batch: 1164185_P

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
1,2-Dichlorobenzene	ND			ND		mg/kg				0	50
1,3-Dichlorobenzene	ND			ND		mg/kg				0	50
1,4-Dichlorobenzene	ND			ND		mg/kg				0	50
3,3'-Dichlorobenzidine	ND			ND		mg/kg				0	50
2,4-Dichlorophenol	ND			ND		mg/kg				0	50
Diethyl phthalate	ND			ND		mg/kg				0	50
2,4-Dimethylphenol	ND			ND		mg/kg				0	50
Dimethyl phthalate	ND			ND		mg/kg				0	50
4,6-Dinitro-2-methylphenol	ND			ND		mg/kg				0	50
2,4-Dinitrophenol	ND			ND		mg/kg				0	50
2,4-Dinitrotoluene	ND			ND		mg/kg				0	50
2,6-Dinitrotoluene	ND			ND		mg/kg				0	50
Di-n-octyl phthalate	ND			ND		mg/kg				0	50
Fluoranthene	ND			ND		mg/kg				0	50
Fluorene	ND			ND		mg/kg				0	50
Hexachlorobenzene	ND			ND		mg/kg				0	50
Hexachlorobutadiene	ND			ND		mg/kg				0	50
Hexachlorocyclopentadiene	ND			ND		mg/kg				0	50
Hexachloroethane	ND			ND		mg/kg				0	50
Indeno(1,2,3-cd)pyrene	ND			ND		mg/kg				0	50
Isophorone	ND			ND		mg/kg				0	50
2-Methylnaphthalene	ND			ND		mg/kg				0	50
2-Methylphenol	ND			ND		mg/kg				0	50
3-Methylphenol & 4-Methylphenol	ND			ND		mg/kg				0	0.0
Naphthalene	ND			ND		mg/kg				0	50
2-Nitroaniline	ND			ND		mg/kg				0	50
3-Nitroaniline	ND			ND		mg/kg				0	50
4-Nitroaniline	ND			ND		mg/kg				0	50
Nitrobenzene	ND			ND		mg/kg				0	50
2-Nitrophenol	ND			ND		mg/kg				0	50
4-Nitrophenol	ND			ND		mg/kg				0	50
N-Nitrosodiphenylamine	ND			ND		mg/kg				0	50
N-Nitrosodi-n-propylamine	ND			ND		mg/kg				0	50
Pentachlorophenol	ND			ND		mg/kg				0	50
Phenanthrene	ND			ND		mg/kg				0	50
Phenol	ND			ND		mg/kg				0	50
Pyrene	ND			ND		mg/kg				0	50
1,2,4-Trichlorobenzene	ND			ND		mg/kg				0	50
2,4,5-Trichlorophenol	ND			ND		mg/kg				0	50
2,4,6-Trichlorophenol	ND			ND		mg/kg				0	50

Surrogate	*LR1 % Recovery*	*LR1 Qualifier*	*Limits*
2-Fluorobiphenyl	*117*		*62 - 121*
2-Fluorophenol	*110*		*50 - 150*
Nitrobenzene-d5	*106*		*50 - 150*
Phenol-d5	*110*		*50 - 150*
Terphenyl-d14	*126*		*50 - 150*
2,4,6-Tribromophenol	*91*		*50 - 150*

Method: 6010B - Inductively Coupled Plasma (6010B Trace)

Lab Sample ID: G1F130000091B — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164091 — **Prep Batch: 1164091_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Arsenic	ND		1.0	0.28	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Barium	0.067	B	1.0	0.020	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Beryllium	ND		0.50	0.010	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Cadmium	ND		0.50	0.030	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Chromium	0.090	B	0.50	0.080	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Cobalt	ND		5.0	0.090	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Copper	ND		2.5	0.090	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Lead	ND		0.50	0.15	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Molybdenum	0.24	B	4.0	0.16	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Nickel	ND		4.0	0.070	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Selenium	0.41	B	0.50	0.29	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Silver	ND		0.50	0.11	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Thallium	ND		1.0	0.39	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Vanadium	ND		5.0	0.040	mg/kg		06/13/11 10:00	06/14/11 19:16	1
Zinc	ND		2.0	0.060	mg/kg		06/13/11 10:00	06/14/11 19:16	1

Lab Sample ID: G1F130000091C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164091 — **Prep Batch: 1164091_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	50.3		mg/kg		101	80 - 120
Arsenic	200	183		mg/kg		92	80 - 120
Barium	200	197		mg/kg		98	80 - 120
Beryllium	5.00	4.75		mg/kg		95	80 - 120
Cadmium	5.00	4.89		mg/kg		98	80 - 120
Chromium	20.0	20.1		mg/kg		101	80 - 120
Cobalt	50.0	51.3		mg/kg		103	80 - 120
Copper	25.0	26.3		mg/kg		105	80 - 120
Lead	50.0	47.0		mg/kg		94	80 - 120
Molybdenum	100	98.7		mg/kg		99	80 - 120
Nickel	50.0	48.9		mg/kg		98	80 - 120
Selenium	200	186		mg/kg		93	80 - 120
Silver	5.00	4.91		mg/kg		98	80 - 120
Thallium	200	198		mg/kg		99	80 - 120
Vanadium	50.0	50.1		mg/kg		100	80 - 120
Zinc	50.0	49.6		mg/kg		99	80 - 120

Lab Sample ID: G1E200501026X — **Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164091 — **Prep Batch: 1164091_P**

Analyte	Sample Result	Sample Qualifier	LR1 Result	LR1 Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/kg		200	35
Arsenic	0.53	B	0.41	B	mg/kg		25	35
Barium	223	J	234		mg/kg		4.8	35
Beryllium	0.036	B	0.032	B	mg/kg		12	35
Cadmium	ND		ND		mg/kg		0	35
Chromium	0.28	B J	0.29	B	mg/kg		2.9	35

Method: 6010B - Inductively Coupled Plasma (6010B Trace) (Continued)

Lab Sample ID: G1E200501026X — **Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1164091 — **Prep Batch: 1164091_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Cobalt	ND			ND		mg/kg				7.8	35
Copper	0.15	B		0.10	B	mg/kg				36	35
Lead	ND			0.17	B	mg/kg				200	35
Molybdenum	0.38	B J		0.16	B	mg/kg				79	35
Nickel	0.17	B		0.16	B	mg/kg				3.5	35
Selenium	1.3	J		0.56		mg/kg				77	35
Silver	ND			ND		mg/kg				200	35
Thallium	ND			ND		mg/kg				0	35
Vanadium	0.098	B		0.042	B	mg/kg				81	35
Zinc	ND			ND		mg/kg				0	35

Method: 7471A - Mercury (7471A, Cold Vapor) - Solids

Lab Sample ID: G1F140000196B — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1165196 — **Prep Batch: 1165196_P**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0050	mg/kg		06/14/11 16:30	06/14/11 21:11	1

Lab Sample ID: G1F140000196C — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1165196 — **Prep Batch: 1165196_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury			0.0833	0.0818		mg/kg		98	81 - 121		

Lab Sample ID: G1F090462001D — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1165196 — **Prep Batch: 1165196_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	SD1 Result	SD1 Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.275	0.123	N	mg/kg		45	81 - 121	6.6	20

Lab Sample ID: G1F090462001S — **Client Sample ID: Matrix Spike**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1165196 — **Prep Batch: 1165196_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS1 Result	MS1 Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury	ND		0.266	0.131	N	mg/kg		49	81 - 121		

Lab Sample ID: G1E200501026X — **Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)**
Matrix: Waste — **Prep Type: Total**
Analysis Batch: 1165196 — **Prep Batch: 1165196_P**

Analyte	Sample Result	Sample Qualifier		LR1 Result	LR1 Qualifier	Unit	D			RPD	RPD Limit
Mercury	ND			ND		mg/kg				41	20

QC Association Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

GC/MS VOA

Analysis Batch: 1153117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501001	NPR-0517-A	Total	Waste	8260B	
G1E200501002	NPR-0517-B	Total	Waste	8260B	
G1E200501003	NPR-0517-C	Total	Waste	8260B	
G1E200501004	NPR-0517-D	Total	Waste	8260B	
G1E200501005	NPR-0517-E	Total	Waste	8260B	
G1E200501006	NPR-0517-F	Total	Waste	8260B	
G1E200501007	NPR-0517-G	Total	Waste	8260B	
G1E200501008	NPR-0517-H	Total	Waste	8260B	
G1E200501009	NPR-0517-I	Total	Waste	8260B	
G1E200501010	NPR-0517-J	Total	Waste	8260B	
G1E200501011	NPR-0517-K	Total	Waste	8260B	
G1E200501012	NPR-0517-L	Total	Waste	8260B	
G1E200501013	NPR-0517-M	Total	Waste	8260B	
G1E200501014	NPR-0517-N	Total	Waste	8260B	
G1E200501015	NPR-0517-O	Total	Waste	8260B	
G1E200501016	NPR-0518-A	Total	Waste	8260B	
G1E200501017	NPR-0518-B	Total	Waste	8260B	
G1F020000117B	Method Blank	Total	Waste	8260B	
G1F020000117C	Lab Control Sample	Total	Waste	8260B	

Analysis Batch: 1154044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501018	NPR-0518-C	Total	Waste	8260B	
G1E200501019	NPR-0518-D	Total	Waste	8260B	
G1E200501020	NPR-0518-E	Total	Waste	8260B	
G1E200501021	NPR-0518-F	Total	Waste	8260B	
G1E200501022	NPR-0518-G	Total	Waste	8260B	
G1E200501025	NPR-0518-J	Total	Waste	8260B	
G1F030000044B	Method Blank	Total	Waste	8260B	
G1F030000044C	Lab Control Sample	Total	Waste	8260B	

Analysis Batch: 1157057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501023	NPR-0518-H	Total	Waste	8260B	
G1E200501024	NPR-0518-I	Total	Waste	8260B	
G1F060000057B	Method Blank	Total	Waste	8260B	
G1F060000057C	Lab Control Sample	Total	Waste	8260B	
G1F060000057L	Lab Control Sample Dup	Total	Waste	8260B	

Prep Batch: 1153117_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501001	NPR-0517-A	Total	Waste	3580	
G1E200501002	NPR-0517-B	Total	Waste	3580	
G1E200501003	NPR-0517-C	Total	Waste	3580	
G1E200501004	NPR-0517-D	Total	Waste	3580	
G1E200501005	NPR-0517-E	Total	Waste	3580	
G1E200501006	NPR-0517-F	Total	Waste	3580	
G1E200501007	NPR-0517-G	Total	Waste	3580	
G1E200501008	NPR-0517-H	Total	Waste	3580	
G1E200501009	NPR-0517-I	Total	Waste	3580	
G1E200501010	NPR-0517-J	Total	Waste	3580	
G1E200501011	NPR-0517-K	Total	Waste	3580	

GC/MS VOA (Continued)

Prep Batch: 1153117_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501012	NPR-0517-L	Total	Waste	3580	
G1E200501013	NPR-0517-M	Total	Waste	3580	
G1E200501014	NPR-0517-N	Total	Waste	3580	
G1E200501015	NPR-0517-O	Total	Waste	3580	
G1E200501016	NPR-0518-A	Total	Waste	3580	
G1E200501017	NPR-0518-B	Total	Waste	3580	
G1F020000117B	Method Blank	Total	Waste	3580	
G1F020000117C	Lab Control Sample	Total	Waste	3580	

Prep Batch: 1154044_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501018	NPR-0518-C	Total	Waste	3580	
G1E200501019	NPR-0518-D	Total	Waste	3580	
G1E200501020	NPR-0518-E	Total	Waste	3580	
G1E200501021	NPR-0518-F	Total	Waste	3580	
G1E200501022	NPR-0518-G	Total	Waste	3580	
G1E200501025	NPR-0518-J	Total	Waste	3580	
G1F030000044B	Method Blank	Total	Waste	3580	
G1F030000044C	Lab Control Sample	Total	Waste	3580	

Prep Batch: 1157057_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501023	NPR-0518-H	Total	Waste	3580	
G1E200501024	NPR-0518-I	Total	Waste	3580	
G1F060000057B	Method Blank	Total	Waste	3580	
G1F060000057C	Lab Control Sample	Total	Waste	3580	
G1F060000057L	Lab Control Sample Dup	Total	Waste	3580	

GC/MS Semi VOA

Analysis Batch: 1164183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501001	NPR-0517-A	Total	Waste	8270C	
G1E200501002	NPR-0517-B	Total	Waste	8270C	
G1E200501003	NPR-0517-C	Total	Waste	8270C	
G1E200501004	NPR-0517-D	Total	Waste	8270C	
G1E200501005	NPR-0517-E	Total	Waste	8270C	
G1E200501006	NPR-0517-F	Total	Waste	8270C	
G1E200501007	NPR-0517-G	Total	Waste	8270C	
G1E200501007X	NPR-0517-G DUP	Total	Waste	8270C	
G1E200501008	NPR-0517-H	Total	Waste	8270C	
G1F130000183B	Method Blank	Total	Waste	8270C	
G1F130000183C	Lab Control Sample	Total	Waste	8270C	

Analysis Batch: 1164184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501009	NPR-0517-I	Total	Waste	8270C	
G1E200501010	NPR-0517-J	Total	Waste	8270C	
G1E200501011	NPR-0517-K	Total	Waste	8270C	
G1E200501012	NPR-0517-L	Total	Waste	8270C	
G1E200501013	NPR-0517-M	Total	Waste	8270C	
G1E200501014	NPR-0517-N	Total	Waste	8270C	

GC/MS Semi VOA (Continued)

Analysis Batch: 1164184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501015	NPR-0517-O	Total	Waste	8270C	
G1E200501015X	NPR-0517-O DUP	Total	Waste	8270C	
G1E200501016	NPR-0518-A	Total	Waste	8270C	
G1F130000184B	Method Blank	Total	Waste	8270C	
G1F130000184C	Lab Control Sample	Total	Waste	8270C	

Analysis Batch: 1164185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501017	NPR-0518-B	Total	Waste	8270C	
G1E200501018	NPR-0518-C	Total	Waste	8270C	
G1E200501019	NPR-0518-D	Total	Waste	8270C	
G1E200501020	NPR-0518-E	Total	Waste	8270C	
G1E200501021	NPR-0518-F	Total	Waste	8270C	
G1E200501022	NPR-0518-G	Total	Waste	8270C	
G1E200501023	NPR-0518-H	Total	Waste	8270C	
G1E200501024	NPR-0518-I	Total	Waste	8270C	
G1E200501025	NPR-0518-J	Total	Waste	8270C	
G1E200501025X	NPR-0518-J DUP	Total	Waste	8270C	
G1F130000185B	Method Blank	Total	Waste	8270C	
G1F130000185C	Lab Control Sample	Total	Waste	8270C	

Prep Batch: 1164183_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501001	NPR-0517-A	Total	Waste	3580A	
G1E200501002	NPR-0517-B	Total	Waste	3580A	
G1E200501003	NPR-0517-C	Total	Waste	3580A	
G1E200501004	NPR-0517-D	Total	Waste	3580A	
G1E200501005	NPR-0517-E	Total	Waste	3580A	
G1E200501006	NPR-0517-F	Total	Waste	3580A	
G1E200501007	NPR-0517-G	Total	Waste	3580A	
G1E200501007X	NPR-0517-G DUP	Total	Waste	3580A	
G1E200501008	NPR-0517-H	Total	Waste	3580A	
G1F130000183B	Method Blank	Total	Waste	3580A	
G1F130000183C	Lab Control Sample	Total	Waste	3580A	

Prep Batch: 1164184_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501009	NPR-0517-I	Total	Waste	3580A	
G1E200501010	NPR-0517-J	Total	Waste	3580A	
G1E200501011	NPR-0517-K	Total	Waste	3580A	
G1E200501012	NPR-0517-L	Total	Waste	3580A	
G1E200501013	NPR-0517-M	Total	Waste	3580A	
G1E200501014	NPR-0517-N	Total	Waste	3580A	
G1E200501015	NPR-0517-O	Total	Waste	3580A	
G1E200501015X	NPR-0517-O DUP	Total	Waste	3580A	
G1E200501016	NPR-0518-A	Total	Waste	3580A	
G1F130000184B	Method Blank	Total	Waste	3580A	
G1F130000184C	Lab Control Sample	Total	Waste	3580A	

Prep Batch: 1164185_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501017	NPR-0518-B	Total	Waste	3580A	

GC/MS Semi VOA (Continued)

Prep Batch: 1164185_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501018	NPR-0518-C	Total	Waste	3580A	
G1E200501019	NPR-0518-D	Total	Waste	3580A	
G1E200501020	NPR-0518-E	Total	Waste	3580A	
G1E200501021	NPR-0518-F	Total	Waste	3580A	
G1E200501022	NPR-0518-G	Total	Waste	3580A	
G1E200501023	NPR-0518-H	Total	Waste	3580A	
G1E200501024	NPR-0518-I	Total	Waste	3580A	
G1E200501025	NPR-0518-J	Total	Waste	3580A	
G1E200501025X	NPR-0518-J DUP	Total	Waste	3580A	
G1F130000185B	Method Blank	Total	Waste	3580A	
G1F130000185C	Lab Control Sample	Total	Waste	3580A	

Metals

Analysis Batch: 1164091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501005	NPR-0517-E	Total	Waste	6010B	
G1E200501012	NPR-0517-L	Total	Waste	6010B	
G1E200501015	NPR-0517-O	Total	Waste	6010B	
G1E200501017	NPR-0518-B	Total	Waste	6010B	
G1E200501018	NPR-0518-C	Total	Waste	6010B	
G1E200501022	NPR-0518-G	Total	Waste	6010B	
G1E200501023	NPR-0518-H	Total	Waste	6010B	
G1E200501024	NPR-0518-I	Total	Waste	6010B	
G1E200501025	NPR-0518-J	Total	Waste	6010B	
G1E200501026	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	6010B	
G1E200501026X	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	6010B	
G1F130000091B	Method Blank	Total	Waste	6010B	
G1F130000091C	Lab Control Sample	Total	Waste	6010B	

Analysis Batch: 1165196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501005	NPR-0517-E	Total	Waste	7471A	
G1E200501012	NPR-0517-L	Total	Waste	7471A	
G1E200501015	NPR-0517-O	Total	Waste	7471A	
G1E200501017	NPR-0518-B	Total	Waste	7471A	
G1E200501018	NPR-0518-C	Total	Waste	7471A	
G1E200501022	NPR-0518-G	Total	Waste	7471A	
G1E200501023	NPR-0518-H	Total	Waste	7471A	
G1E200501024	NPR-0518-I	Total	Waste	7471A	
G1E200501025	NPR-0518-J	Total	Waste	7471A	
G1E200501026	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	7471A	
G1E200501026X	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	7471A	
G1F090462001D	Matrix Spike Duplicate	Total	Waste	7471A	
G1F090462001S	Matrix Spike	Total	Waste	7471A	
G1F140000196B	Method Blank	Total	Waste	7471A	
G1F140000196C	Lab Control Sample	Total	Waste	7471A	

Prep Batch: 1164091_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501005	NPR-0517-E	Total	Waste	3050B	
G1E200501012	NPR-0517-L	Total	Waste	3050B	

Metals (Continued)

Prep Batch: 1164091_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501015	NPR-0517-O	Total	Waste	3050B	
G1E200501017	NPR-0518-B	Total	Waste	3050B	
G1E200501018	NPR-0518-C	Total	Waste	3050B	
G1E200501022	NPR-0518-G	Total	Waste	3050B	
G1E200501023	NPR-0518-H	Total	Waste	3050B	
G1E200501024	NPR-0518-I	Total	Waste	3050B	
G1E200501025	NPR-0518-J	Total	Waste	3050B	
G1E200501026	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	3050B	
G1E200501026X	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	3050B	
G1F130000091B	Method Blank	Total	Waste	3050B	
G1F130000091C	Lab Control Sample	Total	Waste	3050B	

Prep Batch: 1165196_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1E200501005	NPR-0517-E	Total	Waste	7471A	
G1E200501012	NPR-0517-L	Total	Waste	7471A	
G1E200501015	NPR-0517-O	Total	Waste	7471A	
G1E200501017	NPR-0518-B	Total	Waste	7471A	
G1E200501018	NPR-0518-C	Total	Waste	7471A	
G1E200501022	NPR-0518-G	Total	Waste	7471A	
G1E200501023	NPR-0518-H	Total	Waste	7471A	
G1E200501024	NPR-0518-I	Total	Waste	7471A	
G1E200501025	NPR-0518-J	Total	Waste	7471A	
G1E200501026	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	7471A	
G1E200501026X	NPR-0517-E (DUP&TRIPLICATE)	Total	Waste	7471A	
G1F090462001D	Matrix Spike Duplicate	Total	Waste	7471A	
G1F090462001S	Matrix Spike	Total	Waste	7471A	
G1F140000196B	Method Blank	Total	Waste	7471A	
G1F140000196C	Lab Control Sample	Total	Waste	7471A	

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-A
Lab Sample ID: G1E200501001
Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		5000	1153117	06/01/11 13:24		TAL WSC
Total	Analysis	8260B		5000	1153117	06/01/11 13:48		TAL WSC
Total	Analysis	8260B		5000	1153117	06/01/11 14:58		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		93.46	1164183	06/23/11 20:57	KQT	TAL WSC

Client Sample ID: NPR-0517-B
Lab Sample ID: G1E200501002
Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		2500	1153117	06/01/11 14:11		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		103.1	1164183	06/23/11 21:23	KQT	TAL WSC

Client Sample ID: NPR-0517-C
Lab Sample ID: G1E200501003
Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		500	1153117	06/01/11 14:34		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		97.72	1164183	06/23/11 21:48	KQT	TAL WSC

Client Sample ID: NPR-0517-D
Lab Sample ID: G1E200501004
Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 15:22		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		98.68	1164183	06/23/11 22:14	KQT	TAL WSC

Client Sample ID: NPR-0517-E
Lab Sample ID: G1E200501005
Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 15:45		TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-E

Lab Sample ID: G1E200501005

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.01	1164183	06/23/11 22:39	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:23	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:22	TP	TAL WSC

Client Sample ID: NPR-0517-F

Lab Sample ID: G1E200501006

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		2000	1153117	06/01/11 16:09		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		93.17	1164183	06/23/11 23:04	KQT	TAL WSC

Client Sample ID: NPR-0517-G

Lab Sample ID: G1E200501007

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 16:33		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.67	1164183	06/23/11 23:30	KQT	TAL WSC

Client Sample ID: NPR-0517-H

Lab Sample ID: G1E200501008

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 16:56		TAL WSC
Total	Prep	3580A			1164183_P	06/13/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.67	1164183	06/24/11 00:46	KQT	TAL WSC

Client Sample ID: NPR-0517-I

Lab Sample ID: G1E200501009

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 17:20		TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-I

Lab Sample ID: G1E200501009

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.67	1164184	06/24/11 02:03	KQT	TAL WSC

Client Sample ID: NPR-0517-J

Lab Sample ID: G1E200501010

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 17:44		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		98.68	1164184	06/24/11 02:28	KQT	TAL WSC

Client Sample ID: NPR-0517-K

Lab Sample ID: G1E200501011

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 18:07		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 18:31		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 18:54		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.67	1164184	06/24/11 02:53	KQT	TAL WSC

Client Sample ID: NPR-0517-L

Lab Sample ID: G1E200501012

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 19:18		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		97.4	1164184	06/24/11 03:19	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:36	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:28	TP	TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0517-M

Lab Sample ID: G1E200501013

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 19:40		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.01	1164184	06/24/11 03:44	KQT	TAL WSC

Client Sample ID: NPR-0517-N

Lab Sample ID: G1E200501014

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 20:04		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.34	1164184	06/24/11 04:10	KQT	TAL WSC

Client Sample ID: NPR-0517-O

Lab Sample ID: G1E200501015

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		500	1153117	06/01/11 20:28		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		101	1164184	06/24/11 04:35	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:39	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:33	TP	TAL WSC

Client Sample ID: NPR-0518-A

Lab Sample ID: G1E200501016

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		1000	1153117	06/01/11 20:52		TAL WSC
Total	Prep	3580A			1164184_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.01	1164184	06/24/11 05:52	KQT	TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-B — Lab Sample ID: G1E200501017

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1153117_P	06/01/11 10:03		TAL WSC
Total	Analysis	8260B		500	1153117	06/01/11 21:15		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		98.04	1164185	06/24/11 07:54	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:46	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:36	TP	TAL WSC

Client Sample ID: NPR-0518-C — Lab Sample ID: G1E200501018

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		500	1154044	06/02/11 12:59		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		101.7	1164185	06/24/11 08:19	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:49	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:38	TP	TAL WSC

Client Sample ID: NPR-0518-D — Lab Sample ID: G1E200501019

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		1000	1154044	06/02/11 13:22		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		97.72	1164185	06/24/11 08:44	KQT	TAL WSC

Client Sample ID: NPR-0518-E — Lab Sample ID: G1E200501020

Date Collected: 05/17/11 00:00
Date Received: 05/20/11 11:45
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		500	1154044	06/02/11 13:45		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		98.68	1164185	06/24/11 09:10	KQT	TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-F

Lab Sample ID: G1E200501021

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		1000	1154044	06/02/11 14:09		TAL WSC
Total	Analysis	8260B		1000	1154044	06/02/11 14:33		TAL WSC
Total	Analysis	8260B		1000	1154044	06/02/11 14:57		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		100.3	1164185	06/24/11 09:35	KQT	TAL WSC

Client Sample ID: NPR-0518-G

Lab Sample ID: G1E200501022

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		500	1154044	06/02/11 15:21		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.01	1164185	06/24/11 10:01	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:52	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:40	TP	TAL WSC

Client Sample ID: NPR-0518-H

Lab Sample ID: G1E200501023

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1157057_P	06/03/11 09:03		TAL WSC
Total	Analysis	8260B		5000	1157057	06/03/11 15:33		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		99.67	1164185	06/24/11 10:26	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:54	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:41	TP	TAL WSC

Client Sample ID: NPR-0518-I

Lab Sample ID: G1E200501024

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1157057_P	06/03/11 09:03		TAL WSC
Total	Analysis	8260B		1000	1157057	06/03/11 15:56		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		100.3	1164185	06/24/11 10:51	KQT	TAL WSC

Lab Chronicle

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Client Sample ID: NPR-0518-I

Lab Sample ID: G1E200501024

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:57	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:43	TP	TAL WSC

Client Sample ID: NPR-0518-J

Lab Sample ID: G1E200501025

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3580			1154044_P	06/02/11 10:15		TAL WSC
Total	Analysis	8260B		500	1154044	06/02/11 16:32		TAL WSC
Total	Prep	3580A			1164185_P	06/10/11 12:00	AM	TAL WSC
Total	Analysis	8270C		98.68	1164185	06/24/11 11:17	KQT	TAL WSC
Total	Prep	3050B			1164091_P	06/13/11 10:00	NM	TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:59	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:45	TP	TAL WSC

Client Sample ID: NPR-0517-E (DUP&TRIPLICATE)

Lab Sample ID: G1E200501026

Date Collected: 05/17/11 00:00
Matrix: Waste
Date Received: 05/20/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	3050B			1164091_P	06/13/11 10:00		TAL WSC
Total	Analysis	6010B		1	1164091	06/14/11 19:31	BJ	TAL WSC
Total	Prep	7471A			1165196_P	06/14/11 16:30	TP	TAL WSC
Total	Analysis	7471A		1	1165196	06/14/11 21:24	TP	TAL WSC

Laboratory References:
TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organics, GC/MS (8260B)	SW846	TAL WSC
8270C	Base/Neutrals and Acids (8270C)	SW846	TAL WSC
6010B	Inductively Coupled Plasma (6010B Trace)	SW846	TAL WSC
7471A	Mercury (7471A, Cold Vapor) - Solids	SW846	TAL WSC

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Dept of Toxic Substances Contr
Project/Site: 10TA0213

TestAmerica Job ID: G1E200501

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
G1E200501001	NPR-0517-A	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501002	NPR-0517-B	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501003	NPR-0517-C	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501004	NPR-0517-D	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501005	NPR-0517-E	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501006	NPR-0517-F	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501007	NPR-0517-G	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501008	NPR-0517-H	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501009	NPR-0517-I	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501010	NPR-0517-J	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501011	NPR-0517-K	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501012	NPR-0517-L	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501013	NPR-0517-M	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501014	NPR-0517-N	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501015	NPR-0517-O	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501016	NPR-0518-A	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501017	NPR-0518-B	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501018	NPR-0518-C	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501019	NPR-0518-D	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501020	NPR-0518-E	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501021	NPR-0518-F	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501022	NPR-0518-G	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501023	NPR-0518-H	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501024	NPR-0518-I	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501025	NPR-0518-J	Waste	05/17/11 00:00	05/20/11 11:45
G1E200501026	NPR-0517-E (DUP&TRIPLICATE)	Waste	05/17/11 00:00	05/20/11 11:45

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

SUPPLEMENTAL ☐
(Check if Supplemental Requested)

AUTHORIZATION REQUEST FORM (ARF)

PART A : (By Requestor - PLEASE PRINT)

Unit chief's signature required: (for Rush or TAT Level = 1)

Turnaround Time (TAT) : *Rush ☐ *Level 1 ☐ 2 ☐ 3 ☑

Requestor's Name	Dennis F. Guo	Email	dguo @dtsc.ca.gov	Phone (916) 324-1088
Region	05--HQ Units	Unit	PPGT-Pollution Prevention	Fax (916) 327-4494
Back-up Requestor	Matt McCarron			Phone (510) 540-3828
Site Name	Multiple nail product distributors in the Bay Area			AREA CODE

PART B: Analytical Requests (By Requestor) (Lab uses default methods listed below. Please specify all other requests.)

Inorganic Analysis	Number of Samples/Type Solid	Liquid	Water	Other
% Dry Solids (ECL730-S)				
Acidity (305-1)				
Alkalinity (310-1)				
Anions by IC (9056)				
Chromium VI(Cr^{6+}) by Colorimetric (7196A)				
Chromium VI(Cr^{6+}) in Water by IC (7199)				
Cyanides for Wastes,Leachates (9010B)				
Hardness (130-2)				
Mercury(Hg) in (Semi)Solid Waste (7471A)				
Mercury(Hg) in Liquid Waste (7470A)				
Metals Screening by XRF				
Metals Scan (6010B, for As,Ba,Cu,Pb, etc)				
Metals Scan (for Drinking water, 6020A)				
OrganoLead in Waste (ECL938-M)				
Particle Size (ECL740-S)				
Perchlorate for Soil,Sludge (ECL955-M)				
Perchlorate for Water (314-0)				
pH (9040B, 9045C)				
Total Dissolved Solids (160-1)				
WET(ECL910-S) ☐ Only if necessary ☐ Do it regardless				
(others, type in)				

Organic Analysis	Number of Samples/Type Solid	Liquid	Water	Other
GRO (Gasoline, 8015B)				
DRO(Diesel) only (ECL816-M)				
Motor Oil only (ECL816-M)				
DRO(Diesel) & Motor Oil (ECL816-M)				
EthyleneGlycol (ECL772-M)				
PBDEs (ECL750-M)				
PCBs (8082)				
Pesticides - Chlorinated (8081A)				
Pesticides - Organophosphate (8141A)				
1,4-Dioxane (ECL830-S)				
GC/MS Semivolatiles (8270C)			7	
Volatiles (8260B)			7	
HPLC Carbonyl Compounds (8315A)			Note	
Explosives (8330)				
PAHs (8310)				
Dioxins/Furans by HRGC/HRMS (ECL880-M)				
Flash Point (1020A)				
n-Hexane Extractables/TPH (1664)				
TXO-Total Halogens in Oil (ECL792-S)				
(others, type in)				
(others, type in)				

TCLP Analysis**

Metals	☐ Only if necessary	☐ Do it regardless
Mercury	☐ Only if necessary	☐ Do it regardless
Volatiles	☐ Only if necessary	☐ Do it regardless
Semivolatiles	☐ Only if necessary	☐ Do it regardless
(others, type in)		

Other Analysis

Fish Bioassay (Title 22)
Congener PCBs (ECL-CG-PCB)
Congener PBDEs (ECL-CG-PBDE)
(others,type in)
(others, type in)

Analysis Objective:

Special Instructions or Comments (For Example: Detection Limit, Sample Preparation, Extraction…, etc.):

Primary target compounds include toluene, formaldehyde, and dibutyl pthalate, but interested in all compounds that can be identified. If formaldehyde is identified by 8260, confirmation by 8315 is requested. Reporting limits: The lower the better.

Expected Sample Arrival Date: 05/17/11 (mm/dd/yy)

PART C : (By SMO - ECL)

Authorization Number (AN): **10TA0213**

ARF's Revision No. Initials: Date:

Lab to Receive Sample(s): Test America Analytical Testing Corporation

ARF's Revision No. Initials: Date:

Sample Management Officer (SMO): To: Test America Inc. 880 Riverside Parkway West Sacramento, CA 95605 Attn: Linda, 916-374-4362

☐ Check box if cancelled Initials: Date:

Today's Date 05/17/11 (mm/dd/yy) Expiration Date 05/27/11 (mm/dd/yy)

If Sample(s) Directed to Contract Lab, Please Specify:

Reason: Staff unavailable ECL Personnel Confirmed:

ECL Contract Lab Manager Notification (for Rush or TAT Level =1):

Turnaround Time (TAT): * Rush for public health and safety or emergency, *Level 1 = 15 days, 2 = 30 days, 3 = 45 days.
**TCLP : If time permits and sample matrix type is appropriate, lab may analyze or screen the sample(s) first to determine if TCLP is needed.
Reference: ECL User's Manual.

ECL01 (REV 04/09)

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 10TA0213	ECL No.: To	2. Page 1 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project Name (if applicable): P2 Green Nail Salon Project

5. TAT Level:

6. Sampling Information: a. Date/Time Sampled: 05/17/11 (mm/dd/yy) (#:## AM/PM)
b. Location: EPA ID No.
Site: Bay Area Nail Product Distributors
Address: (street number)
(city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Unit P2
b. INDEX 0000
c. PCA 40020
d. MPC 506
e. SITE Bay Area Distributors
f. County 01--Alameda

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
1	NPR-0517-A				3	
2	NPR-0517-B				3	
3	NPR-0517-C				3	
4	NPR-0517-D				2	
5	NPR-0517-E				4	
6	NPR-0517-F				4	
7	NPR-0517-G				2	
8	NPR-0517-H				1	
9	NPR-0517-I				4	

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
		GCMS--Semivolatiles(8270D or 8270C)	
		GCMS--Volatiles (8260C or 8260B)	
		HPLC--Carbonyl Compounds (8315A)	confimation if found
Other Metals:			
c. TCLP Analysis		**d. Other Analysis**	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials
Date

13. ECL Lab Remarks:

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	DENNIS GUO	RS III	[signature]	05/17/11	to	05/20/11
b.	JOSEPH SANCHEZ	SUPERVISOR	[signature]	20 MAY 11	to	20 MAY 11
c.					to	
d.					to	
e.					to	
f.					to	
g.					to	

FIELD
ECL
LAB
COC

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 10TA0213	ECL No.: To	2. Page 2 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project (if applicable): P2 Green Nail Salon Project

5. TAT Level:

6. Sampling Information: a. Date Sampled: 05/17/11 (mm/dd/yy)
b. Location: EPA ID No. (#:## AM/PM)
Site: Bay Area Nail Product Distributors
Address: (street number)
(city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Unit P2
b. INDEX 0000
c. PCA 40020
d. MPC 506
e. SITE Bay Area Distributors
f. County 01--Alameda

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
10	NPR-0517-J				2	
11	NPR-0517-K				2	
12	NPR-0517-L				2	
13	NPR-0517-M			8 fl. oz.	1	
14	NPR-0517-N				3	
15	NPR-0517-O				2	
16	NPR-0518-A			8 fl. oz	2	
17	NPR-0518-B				2	
18	NPR-0518-C				3	

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Other Metals:			

c. TCLP Analysis		d. Others Analysis	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials
Date

13. ECL Lab Remarks:

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	Dennis Guo	RS III	[signature]	05/17/11	to	05/20/11
b.	Joseph Sanchez	Supervisor	[signature]	20 May 11	to	20 May 11
c.					to	
d.					to	
e.					to	
f.					to	
g.					to	

FIELD

LAB

COC

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST

1. Authorization Number: 10TA0213

ECL No.: _____ To _____

2. Page 3 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project (if applicable): P2 Green Nail Salon Project

5.TAT Level: _____

6. Sampling Information: a. Date Sampled: 05/17/11 (mm/dd/yy)
b. Location: EPA ID No. _____ (#:## AM/PM)
Site: Bay Area Nail Product Distributors
Address: _____ (street number)
_____ (city, state, zip)
GPS-Lat: _____ GPS-Long: _____
GPS-Alt: _____ GPS-Depth: _____

7. Codes (select from drop down list or fill in if applicable)
a. Unit P2
b. INDEX 0000
c. PCA 40020
d. MPC 506
e. SITE Bay Area Distributors
f. County 01--Alameda

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
19	NPR-0518-D				3	
20	NPR-0518-E				3	
21	NPR-0518-F				3	
22	NPR-0518-G				3	
23	NPR-0518-H				3	
24	NPR-0518-I				3	
25	NPR-0518-J				3	
26						
27						

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Other Metals:			

c. TCLP Analysis		d. Others Analysis	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials _____
Date _____

ECL

13. ECL Lab Remarks:

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody
a.	DENNIS GUO	RS III		05/17/11 to 05/20/11
b.	JOSEPH SANTOS	SUPERVISOR		20-May-11 to 20-May-11
c.				to
d.				to
e.				to
f.				to
g.				to

FIELD

LAB

COC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT DEPT OF TOXIC SUBSTANCES CONTROL PM LL LOG # 70787

LOT# (QUANTIMS ID) G1E200501 QUOTE# 88923 LOCATION R22F

Checked (✓)

DATE RECEIVED 20 MAY 11 TIME RECEIVED 1145 ☑

DELIVERED BY ☐ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☑ CLIENT ☑

SHIPPPING CONTAINER(S) ☐ TAL ☐ CLIENT ☑ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) n/a

COC #(S) n/a ☑

TEMPERATURE BLANK Observed: n/a Corrected: n/a

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: n/a Average n/a Corrected Average n/a

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☐ ☐ OTHER ☑

Initials Date 20 MAY 11

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH ☐ N/A ☑
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☑ NO COOLING AGENTS USED ☐ PM NOTIFIED

Initials Date 20 MAY 11

Notes SAMPLES RECEIVED & DELIVERED IN A CARDBOARD BOX 20 MAY 11

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1E200501

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
2 CGJ	3	3	3	2	4	4	2		4	2	2	2		3	2		2	3	3	3
500CGJ																				
250CGJ3													1							
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																2				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
500 TINCAN								1												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1G200581

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
2 CGJ	3	3	3	3	3															
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

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State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

SUPPLEMENTAL ☒
(Check if Supplemental Requested)

AUTHORIZATION REQUEST FORM (ARF)

PART A : (By Requestor - PLEASE PRINT)

*Unit chief's signature required: (for Rush or TAT Level = 1)

Turnaround Time (TAT) : *Rush ☐ *Level 1 ☐ 2 ☐ 3 ☑

Requestor's Name: Dennis F. Guo — Email: dguo @dtsc.ca.gov — Phone (916) 324-1088
Region: 05--HQ Units — Unit: PPGT-Pollution Prevention — Fax (916) 327-4494
Back-up Requestor: Matt McCarron — Phone (510) 540-3828 (AREA CODE)
Site Name: Multiple nail product distributors in the Bay Area

PART B: Analytical Requests (By Requestor) (Lab uses default methods listed below. Please specify all other requests.)

Inorganic Analysis	Number of Samples/Type: Solid	Liquid	Water	Other
% Dry Solids (ECL730-S)				
Acidity (305-1)				
Alkalinity (310-1)				
Anions by IC (9056)				
Chromium VI(Cr^{6+}) by Colorimetric (7196A)				
Chromium VI(Cr^{6+}) in Water by IC (7199)				
Cyanides for Wastes,Leachates (9010B)				
Hardness (130-2)				
Mercury(Hg) in (Semi)Solid Waste (7471A)				
Mercury(Hg) in Liquid Waste (7470A)				
Metals Screening by XRF				
Metals Scan (6010B, for As,Ba,Cu,Pb, etc) See supplemental 06/05/11				9
Metals Scan (for Drinking water, 6020A)				
OrganoLead in Waste (ECL938-M)				
Particle Size (ECL740-S)				
Perchlorate for Soil,Sludge (ECL955-M)				
Perchlorate for Water (314-0)				
pH (9040B, 9045C)				
Total Dissolved Solids (160-1)				
WET(ECL910-S) ☐ Only if necessary ☐ Do it regardless				
(others, type in)				

Organic Analysis	Number of Samples/Type: Solid	Liquid	Water	Other
GRO (Gasoline, 8015B)				
DRO(Diesel) only (ECL816-M)				
Motor Oil only (ECL816-M)				
DRO(Diesel) & Motor Oil (ECL816-M)				
EthyleneGlycol (ECL772-M)				
PBDEs (ECL750-M)				
PCBs (8082)				
Pesticides - Chlorinated (8081A)				
Pesticides - Organophosphate (8141A)				
1,4-Dioxane (ECL830-S)				
GC/MS: Semivolatiles (8270C)				7
Volatiles (8260B)				7
HPLC Carbonyl Compounds (8315A)				Note
Explosives (8330)				
PAHs (8310)				
Dioxins/Furans by HRGC/HRMS (ECL880-M)				
Flash Point (1020A)				
n-Hexane Extractables/TPH (1664)				
TXO-Total Halogens in Oil (ECL792-S)				
(others, type in)				
(others, type in)				

TCLP Analysis**

Metals	☐ Only if necessary	☐ Do it regardless
Mercury	☐ Only if necessary	☐ Do it regardless
Volatiles	☐ Only if necessary	☐ Do it regardless
Semivolatiles	☐ Only if necessary	☐ Do it regardless
(others, type in)		

Other Analysis

Fish Bioassay (Title 22)
Congener PCBs (ECL-CG-PCB)
Congener PBDEs (ECL-CG-PBDE)
(others,type in)
(others, type in)

Analysis Objective:

Special Instructions or Comments (For Example: Detection Limit, Sample Preparation, Extraction..., etc.):
Primary target compounds include toluene, formaldehyde, and dibutyl pthalate, but interested in all compounds that can be identified. If formaldehyde is identified by 8260, confirmation by 8315 is requested. Reporting limits: The lower the better. Supplemental: Test CAM17 for 9 samples: NPR-0517-E, L, O, G, H, I, J NPR-0518-B, P

Expected Sample Arrival Date: 05/17/11 (mm/dd/yy)

PART C : (By SMO - ECL)

Authorization Number (AN): 10TA0213 — ARF's Revision No. ____ Initials: ____ Date: ____
Lab to Receive Sample(s): Test America Analytical Testing Corporation
ARF's Revision No. ____ Initials: ____ Date: ____
Sample Management Officer (SMO): To: Test America Inc., 880 Riverside Parkway, West Sacramento, CA 95605, Attn: Linda, 916-374-4362
☐ Check box if cancelled — Initials: ____ Date: ____
Today's Date: 05/17/11 (mm/dd/yy) — Expiration Date: 05/27/11 (mm/dd/yy)

If Sample(s) Directed to Contract Lab, Please Specify:
Reason: Staff unavailable — ECL Personnel Confirmed: ____
ECL Contract Lab Manager Notification (for Rush or TAT Level =1): ____

Turnaround Time (TAT): * Rush for public health and safety or emergency, *Level 1 = 15 days, 2 = 30 days, 3 = 45 days.
**TCLP : If time permits and sample matrix type is appropriate, lab may analyze or screen the sample(s) first to determine if TCLP is needed.
Reference: ECL User's Manual.

ECL01 (REV 04/09)

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST

1. Authorization Number: 10TA0213

ECL No.: _____ To _____

2. Page 1 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project Name (if applicable): P2 Green Nail Salon Project

5. TAT Level: _____

6. Sampling Information: a. Date/Time Sampled: 05/17/11 (mm/dd/yy) (#:## AM/PM)
b. Location: EPA ID No. _____
Site: Bay Area Nail Product Distributors
Address: _____ (street number)
_____ (city, state, zip)
GPS-Lat: _____ GPS-Long: _____
GPS-Alt: _____ GPS-Depth: _____

7. Codes (select from drop down list or fill in if applicable)
a. Unit: P2
b. INDEX: 0000
c. PCA: 40020
d. MPC: 506
e. SITE: Bay Area Distributors
f. County: 01--Alameda

8. Samples:

a. ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
1	NPR-0517-A				3	
2	NPR-0517-B				3	
3	NPR-0517-C				3	
4	NPR-0517-D				2	
5	NPR-0517-E	test CAM17			4	
6	NPR-0517-F				4	
7	NPR-0517-G				2	
8	NPR-0517-H				1	
9	NPR-0517-I				4	

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
		GCMS--Semivolatiles(8270D or 8270C)	
		GCMS--Volatiles (8260C or 8260B)	
		HPLC--Carbonyl Compounds (8315A)	confimation if found
Other Metals:			
c. TCLP Analysis		**d. Other Analysis**	

FIELD

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID
Metals scan (ICP-AES)	NPR0517-E

Initials: DG
Date: 06/03/11

ECL

13. ECL Lab Remarks:

LAB

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	DENNIS GUO	RS II	[signature]	05/17/11	to	05/20/11
b.	JOSEPH [illegible]	supervisor	[signature]	20 MAY 11	to	20 MAY 11
c.					to	
d.					to	
e.					to	
f.					to	
g.					to	

COC

ECL02 (REV 01/11) Make Photocopies for Your File

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST

1. Authorization Number: 10TA0213

ECL No.: _____ To _____

2. Page 2 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project (if applicable): P2 Green Nail Salon Project

5. TAT Level: _____

6. Sampling Information: a. Date Sampled: 05/17/11 (mm/dd/yy) (#:## AM/PM)
b. Location: EPA ID No. _____
Site: Bay Area Nail Product Distributors
Address: _____ (street number)
_____ (city, state, zip)
GPS-Lat: _____ GPS-Long: _____
GPS-Alt: _____ GPS-Depth: _____

7. Codes (select from drop down list or fill in if applicable)
a. Unit: P2
b. INDEX: 0000
c. PCA: 40020
d. MPC: 506
e. SITE: Bay Area Distributors
f. County: 01--Alameda

8. Samples:

a. ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
10	NPR-0517-J				2	
11	NPR-0517-K				2	
12	NPR-0517-L	CAM 17			2	
13	NPR-0517-M			8 fl. oz.	1	
14	NPR-0517-N				3	
15	NPR-0517-O	CAM 17			2	
16	NPR-0518-A			8 fl. oz	2	
17	NPR-0518-B	CAM 17			2	
18	NPR-0518-C	CAM 17			3	

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Other Metals:			

c. TCLP Analysis		d. Others Analysis	

FIELD

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID	
Metals Scan (ICP-AES)	NPR-0517-L	Initials
Metals Scan (ICP-AES)	NPR-0517-O 06/03/11	Date

ECL

13. ECL Lab Remarks:

LAB

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	Dennis Guo	RSII		05/17/11	to	05/20/11
b.	Joseph Sawyer	supervisor		20May11	to	20May11
c.					to	
d.					to	
e.					to	
f.					to	
g.					to	

COC

ECL02 (REV 01/11)

Make Photocopies for Your File

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 10TA0213	ECL No.: To	2. Page 3 of 3

3. Requestor: (to Receive Results) a. Name: Dennis F. Guo
b. Address: 1001 I Street, 12th Floor, P.O. Box 806 (street number)
Sacramento, CA 95812-0806 (city, state, zip)
c. Phone: (916) 324-1088 (area code first) d. Fax: (916) 327-4494 (area code first)
e. Email: dguo @dtsc.ca.gov

4. Project (if applicable): P2 Green Nail Salon Project

5. TAT Level:

6. Sampling Information: a. Date Sampled: 05/17/11 (mm/dd/yy)
b. Location: EPA ID No. (#:## AM/PM)
Site: Bay Area Nail Product Distributors
Address: (street number)
(city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Unit P2
b. INDEX 0000
c. PCA 40020
d. MPC 506
e. SITE Bay Area Distributors
f. County 01--Alameda

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
19	NPR-0518-D				3	
20	NPR-0518-E				3	
21	NPR-0518-F				3	
22	NPR-0518-G				3	
23	NPR-0518-H	CAM 17	(G, H, I, J)		3	
24	NPR-0518-I				3	
25	NPR-0518-J				3	
26						
27						

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Other Metals:			
c. TCLP Analysis		**d. Others Analysis**	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Other (contact lab first). Please specify: Dibutyl pthalate, formaldehyde, and toluene,

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)
The lowest achievable (the lower the better)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID	
Metals Scan (ICP-AES)	0518-G to	DG Initials
	0518-J	06/03/11 Date

13. ECL Lab Remarks:

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody
a.	DENNIS GUO	RS III	[signature]	05/17/11 to 05/20/11
b.	JOSEPH SKAYS	SUPERVISOR	[signature]	20 May 11 to 20 May 11
c.				to
d.				to
e.				to
f.				to
g.				to

FIELD

ECL

LAB

COC

ECL02 (REV 01/11) Make Photocopies for Your File

General Comments
Test America, Inc.

The matrix of these samples is various nail coatings. After discussion with the client, it was decided that a matrix spike/matrix spike duplicate (MS/MSD) would not be of value since these samples were to be analyzed at significant dilutions. It was agreed that the samples would be analyzed with 10 or less samples per batch and each batch would include one sample to be analyzed in triplicate in lieu of the MS/MSD.

WASTE, 8260B, VOC's plus TIC's

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

The surrogate recovery for 1,2-Dicholorethane-D4 in the associated laboratory control sample (LCS) is slightly below the recovery limits. The recovery of this surrogate falls within the acceptance range for the method blank and the samples with the exception of sample -0. Because the atypical matrix, the samples were not reanalyzed.

Samples: 1, 11, 21

These samples were analyzed in triplicate. Analytical results for all three analyses are reported as individual samples within the 8260 data.

Sample: 1
This sample was analyzed in triplicate. The surrogate recovery for toluene-d8 and 1,2-Dicholorethane-D4 are below the recovery limits in one of the analysis but they are within the limits for the other two analyses. Analytical results support each other for all 3 analyses. The sample was not reanalyzed.

WASTE, 8270C, SVOC's plus TIC's

Samples: 1 through 25

The waste dilution preparation outlined in SOP WS-OP-0001 were modified to accommodate the sample matrix. The SOP deviation is outlined below. As a result, the reporting limits are 100 times normally reported for a waste matrix.

Step 1: Approximately 0.3g of each sample was weighed and diluted to 30mL in Methylene Chloride (DCM). Mixture was shaken vigorously for 2 minutes and then sonicated for 5 minutes.

Step 2: 1.0mL of each mixture from Step 1 was extracted and diluted to 10mL in fresh DCM (The LCS was brought to volume after the spike had been added). Then 0.05mL of a 4000ug/mL ABN surrogate solution (in DCM) was added to each samples and associated QC. The LCS was spiked with 2mL of a 200ug/mL spike standard solution. After thorough mixing sample extracts were submitted for analyses.

Surrogate concentrations are 20ug/mL (extract concentration).

Spike analytes in LCS are 40ug/mL (extract concentration).

Samples: 1, 2, 3, 4, 5, 6, 7, 8

The surrogate recovery for 2,4,6-Tribromophenol in the associated method blank (MB) is slightly below the recovery limits. The recovery of this surrogate falls within the acceptance range for the LCS and the samples. Because the atypical matrix, the samples were not reanalyzed.

Samples: 7, 15, 25

These samples were analyzed in triplicate. Analytical results for the duplicate and triplicate analyses are reported as the Sample Duplicate within the QC section.

WASTE, 6010B & 7471A, Metals

Samples: 5, 26

Sample 26 was created by the lab for the purpose of analyzing the requested triplicate. It is the same sample as sample 5, NPR-0517-E. Analytical results for NPR-0517-E are reported as sample 5, sample 26, and as the sample duplicate within the QC section.

There are no other anomalies associated with this project.