F S ENGINEERS
CIVIL AND ENVIRONMENTAL ENGINEERING
COMMONWEALTH OF MASSACHUSETTS
MD F. SIDDIQUE
289 GREAT ROAD, ACTON, MA 01720
TEL: 978.263.9882
FAX: 978.263.3418

BY EMAIL: NPDES.Generalpermits@epa.gov

January 3, 2008

U. S. Environmental Protection Agency
Ann Herrick
RGP – NOI Processing
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Notice of Intent for Remediation General Permit
Foundation Construction Dewatering at 59 Neponset Street, Canton, MA

Dear Ms. Herrick:

On behalf of our client, River Village LLC, the owner and developer of the property located at 59 Neponset Street in Canton, Massachusetts, FS Engineers, Inc. (FSE) is submitting this Notice of Intent for coverage under the Remediation General Permit (RGP). This NOI was prepared in accordance with the RGP requirements and guidance documents provided by the US EPA.

The NOI has been prepared for construction-related dewatering to install building foundations at the above referenced property. A Site Location Map is enclosed with the NOI. The proposed dewatering is necessary to temporarily lower the water table to allow excavation of unsuitable soils and fill material followed by placement of suitable compacted foundation-bearing materials.

During excavation of test pits on December 13, 2007, petroleum contaminated soil and water was observed. No separate phase product was present. The site is currently vacant and the former mill buildings and associated USTs and ASTs from the former site use have previously been removed. The site has been graded flat in anticipation of redevelopment. Soil and groundwater samples were obtained on December 13, 2007 and submitted for laboratory analysis. The analytical results included in this submittal constitute a 120-day reportable condition under the Massachusetts Contingency Plan (MCP). FSE will be the Licensed Site Professional (LSP) of record for this project and will be submitting a Release Notification form (RNF) and Release Abatement Measure (RAM) Plan to the Mass DEP prior to commencing the dewatering operations. A release Tracking Number (RTN) has not been issued yet for this new release at the property. FSE will also be the LSP of record going forward for one existing RTN for another portion of the property.

At this time the NOI does not include groundwater analysis results for Total Suspended Solids, Total Residual Chlorine, or the 13 Priority Pollutant Metals. Four soil samples were obtained from the test pits and analyzed for PP13 Metals. On average, the metals analytical results do not exceed MCP reportable concentrations applicable to the site. FSE intends to sample and analyze the untreated influent water for Total Suspended Solids, Total Residual Chlorine, and the 13 Priority Pollutant Metals prior to commencing discharge at the site.

The groundwater removed by the construction dewatering will be stored, treated and discharged as shown on Figure 2 – Groundwater Treatment System Plan. Water will be pumped from the excavation directly into a 21,000 gallon frac tank. After settling, the water will be pumped through bag filters and activated carbon vessels appropriately sized for the anticipated flow. The water will discharge by gravity flow directly into the East Branch of the Neponset River which forms the site property line.

A NOI for coverage under the Construction General Permit (CGP) for Storm Water Discharges from Construction Sites will be filed with the EPA for this site due to greater than one acre of soil being impacted during construction. A Storm Water Pollution Prevention Plan (SWPPP) will be prepared for the work.

The anticipated start date for the project is late January 2008 with completion during March 2008. The work will commence upon receiving authorization by the EPA.

Please refer any questions or correspondence to the operator, Mr. Michael Fish at Dellbrook Construction (781-380-1675) or the undersigned at 978-263-9882.

Very truly yours,

FS ENGINEERS, INC.

Farooq Siddique, P.E., LSP
Principal

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of **facility/site**: THE VILLAGE ON THE RIVER		**Facility/site** address:		
Location of **facility/site**: longitude: -71.156 latitude: 42.157	Facility SIC code(s): 1520	Street: 59 WALPOLE STREET		
b) Name of **facility/site owner:** RIVER VILLAGE LLC		Town: CANTON		
Email address of owner: johnmarini@marinimgmt.com		State: MA	Zip: 02021	County: NORFOLK
Telephone no.of facility/site **owner**: 781-828-5781				
Fax no. of facility/site **owner**: 781-828-0621		**Owner** is (check one): 1. Federal____ 2. State/Tribal____ 3. Private__✔___ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 345 NEPONSET STREET				
Town: CANTON	State: MA	Zip: 02021	County: NORFOLK	
c) Legal name of **operator**: DELLBROOK CONSTRUCTION	**Operator** telephone no: 781-380-1675			
	Operator fax no.: 781-380-1676		**Operator** email: mfish@dellbrook.com	
Operator contact name and title: MICHAEL FISH, VICE PRESIDENT				
Address of **operator** (if different from owner):	Street: 536 GRANITE STREET			
Town: BRAINTREE	State: MA	Zip: 02184	County: NORFOLK	

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No✔, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No✔, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes✔ No___
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes✔ No__

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No_✔_ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number:	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N_✔_, if Y, number: 2. phase I or II construction storm water general permit? Y___ N_✔_, if Y, number: 3. individual NPDES permit? Y___ N_✔_, if Y, number: 4. any other water quality related permit? Y___ N_✔_, if Y, number:

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Dewatering for Soil Excavation and Backfilling for Building Foundation Pad

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.10 Average flow 0.05 Is maximum flow a **design value**? Y✔ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Max. flow is based on 1 frac tank and 2 GAC units in series

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. -71.155 lat. 42.158; pt.2: long._____ lat._____; pt.3: long._____ lat._____;
pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent_✔_ or seasonal_____? Is discharge ongoing Yes____ No_✔_?__

c) Expected dates of discharge (mm/dd/yy): start 01/21/08 end 03/31/08

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only ☐	VOC Only ☐	Primarily Metals ☐	Urban Fill Sites ☐	Contaminated Sumps ☐	Mixed Contaminants ☐	Aquifer Testing ☐
Fuel Oils (and Other Oils) only ☐	VOC with Other Contaminants ☐	Petroleum with Other Contaminants ✔	Listed Contaminated Sites ☐	Contaminated Dredge Condensates ☐	Hydrostatic Testing of Pipelines/Tanks ☐	Well Development or Rehabilitation ☐

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	**Believe Absent**	**Believe Present**	**# of Samples (1 min-imum)**	**Type of Sample (e.g., grab)**	**Analytical Method Used (method #)**	**Minimum Level (ML) of Test Method**	**Maximum daily value**		**Avg. daily value**	
							concentration (ug/l)	**mass (kg)**	**concentration (ug/l)**	**mass (kg)**
1. Total Suspended Solids										
2. Total Residual Chlorine										
3. Total Petroleum Hydrocarbons		✔	4	grab	MADEP EPH	0.2 mg/l	12 mg/l	2.6 kg/day	2 mg/l	0.22 kg/day
4. Cyanide										
5. Benzene	✔		4	grab	8260	1.0 ug/l	0	0	0	0
6. Toluene	✔		4	grab	8260	1.0 ug/l	0	0	0	0
7. Ethylbenzene		✔	4	grab	8260	1.0 ug/l	45 ug/l	0.0099 kg/day	10 ug/l	0.0011 kg/day
8. (m,p,o) Xylenes	✔		4	grab	8260	1.0 ug/l	0	0	0	0
9. Total BTEX[4]		✔	4	grab	8260	1.0 ug/l	45 ug/l	0.0099 kg/day	10 ug/l	0.0011 kg/day

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide [5] (1,2- Dibromo-methane)	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
11. Methyl-tert-Butyl Ether (MtBE)	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
12. tert-Butyl Alcohol (TBA)	✔		4	grab	8260B	10 ug/l	0	0	0	0
13. tert-Amyl Methyl Ether (TAME)	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
14. Naphthalene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
15. Carbon Tetra-chloride	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
16. 1,4 Dichlorobenzene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
17. 1,2 Dichlorobenzene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
18. 1,3 Dichlorobenzene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
19. 1,1 Dichloroethane	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
20. 1,2 Dichloroethane	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
21. 1,1 Dichloroethylene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
22. cis-1,2 Dichloro-ethylene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
23. Dichloromethane (Methylene Chloride)	✔		4	grab	8260B	5.0 ug/l	0	0	0	0
24. Tetrachloroethylene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0

[5] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
26. 1,1,2 Trichloroethane	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
27. Trichloroethylene	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
28. Vinyl Chloride	✔		4	grab	8260B	1.0 ug/l	0	0	0	0
29. Acetone	✔		4	grab	8260B	10.0 ug/l	0	0	0	0
30. 1,4 Dioxane	✔		4	grab	8260B	20.0 ug/l	0	0	0	0
31. Total Phenols	✔		4	grab	8270C	2.84 ug/l	0	0	0	0
32. Pentachlorophenol	✔		4	grab	8270C	2.84 ug/l	0	0	0	0
33. Total Phthalates [6] (Phthalate esthers)		✔	4	grab	8270C	2.84 ug/l	46 ug/l	0.010 kg/day	20 ug/l	0.0022 kg/day
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]		✔	4	grab	8270C	2.84 ug/l	32 ug/l	0.0070 kg/day	13 ug/l	0.0014 kg/day
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✔		4	grab	MADEP EPH	5.56 ug/l				
a. Benzo(a) Anthracene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
b. Benzo(a) Pyrene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
c. Benzo(b)Fluoranthene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
d. Benzo(k) Fluoranthene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
e. Chrysene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0

[6] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
g. Indeno(1,2,3-cd) Pyrene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✔		4	grab	MADEP EPH	5.56 ug/l				
h. Acenaphthene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
i. Acenaphthylene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
j. Anthracene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
k. Benzo(ghi) Perylene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
l. Fluoranthene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
m. Fluorene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
n. Naphthalene-	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
o. Phenanthrene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
p. Pyrene	✔		4	grab	MADEP EPH	5.56 ug/l	0	0	0	0
37. Total Polychlorinated Biphenyls (PCBs)	✔		4	grab	8082	0.235 ug/l	0	0	0	0
***3*8. Antimony**										
39. Arsenic										
40. Cadmium										
41. Chromium III										
42. Chromium VI										

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	**mass** (kg)	**concentration** (ug/l)	**mass** (kg)
43. Copper										
44. Lead										
45. Mercury										
46. Nickel										
47. Selenium										
48. Silver										
49. Zinc										
50. Iron										
Other (describe):										

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N____	If yes, which metals?
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals:_____ DF: _____	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If "Yes," list which metals:

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✔	Air stripper	Oil/water separator	Equalization tanks	Bag filter ✔	GAC filter ✔
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system: Average flow rate of discharge 20 gpm Maximum flow rate of treatment system 40 gpm Design flow rate of treatment system 40 gpm						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): NONE						

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct ✔	Within facility	Storm drain	River/brook ✔	Wetlands	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: CANTON RIVER (EAST BRANCH NEPONSET RIVER)						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.						
d) Provide the state water quality classification of the receiving water B,						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 1.4 cfs Please attach any calculation sheets used to support stream flow and dilution calculations.						
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ✔ No If yes, for which pollutant(s)? Is there a TMDL? Yes ✔ No If yes, for which pollutant(s)? BACTERIA						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No ✓
Has any consultation with the federal services been completed ? Yes___ No ✓ or is consultation underway? Yes ____ No ✓
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No ✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No ✓

7. Supplemental information. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

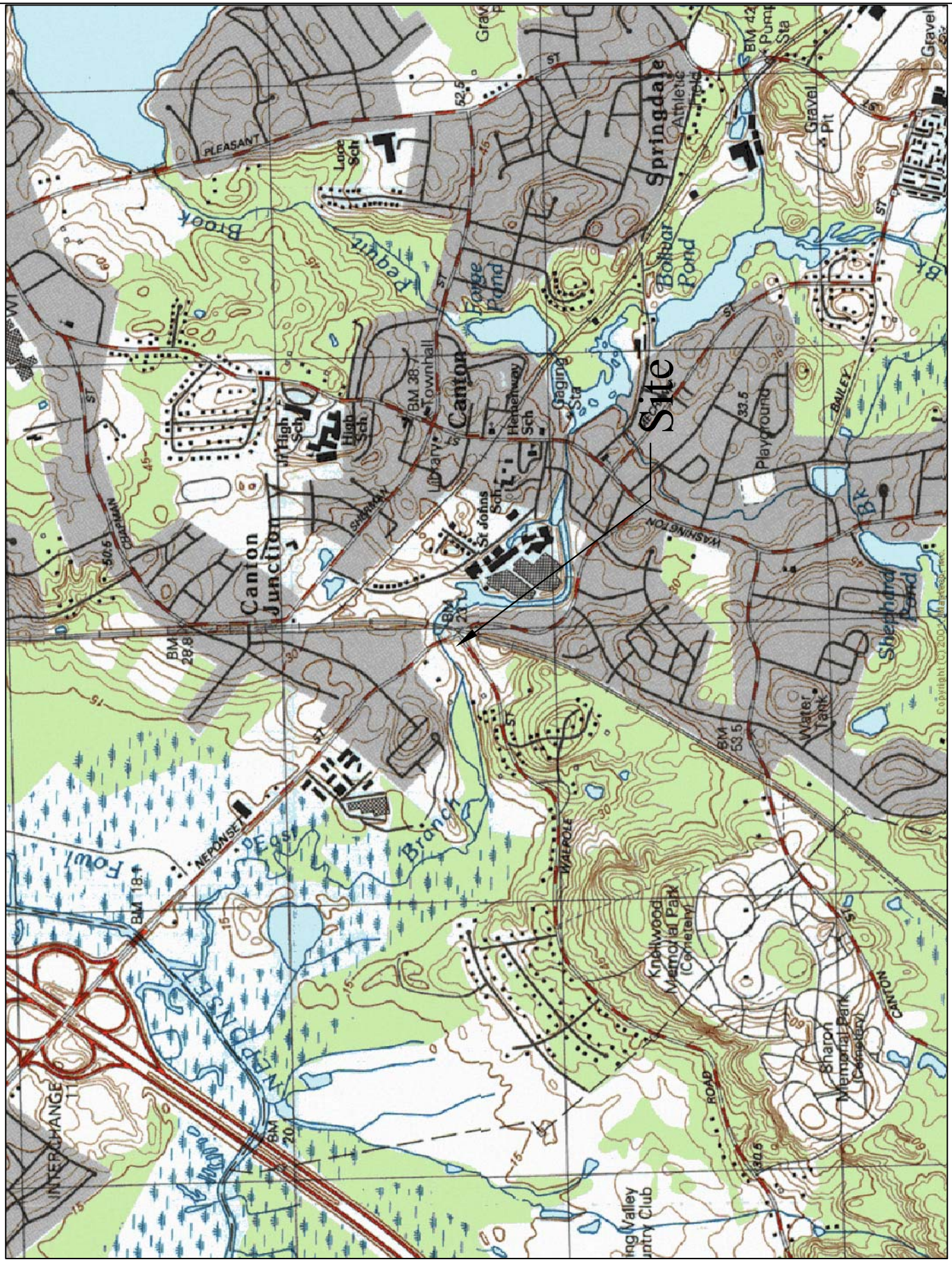
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: The Village on the River

Operator signature: 

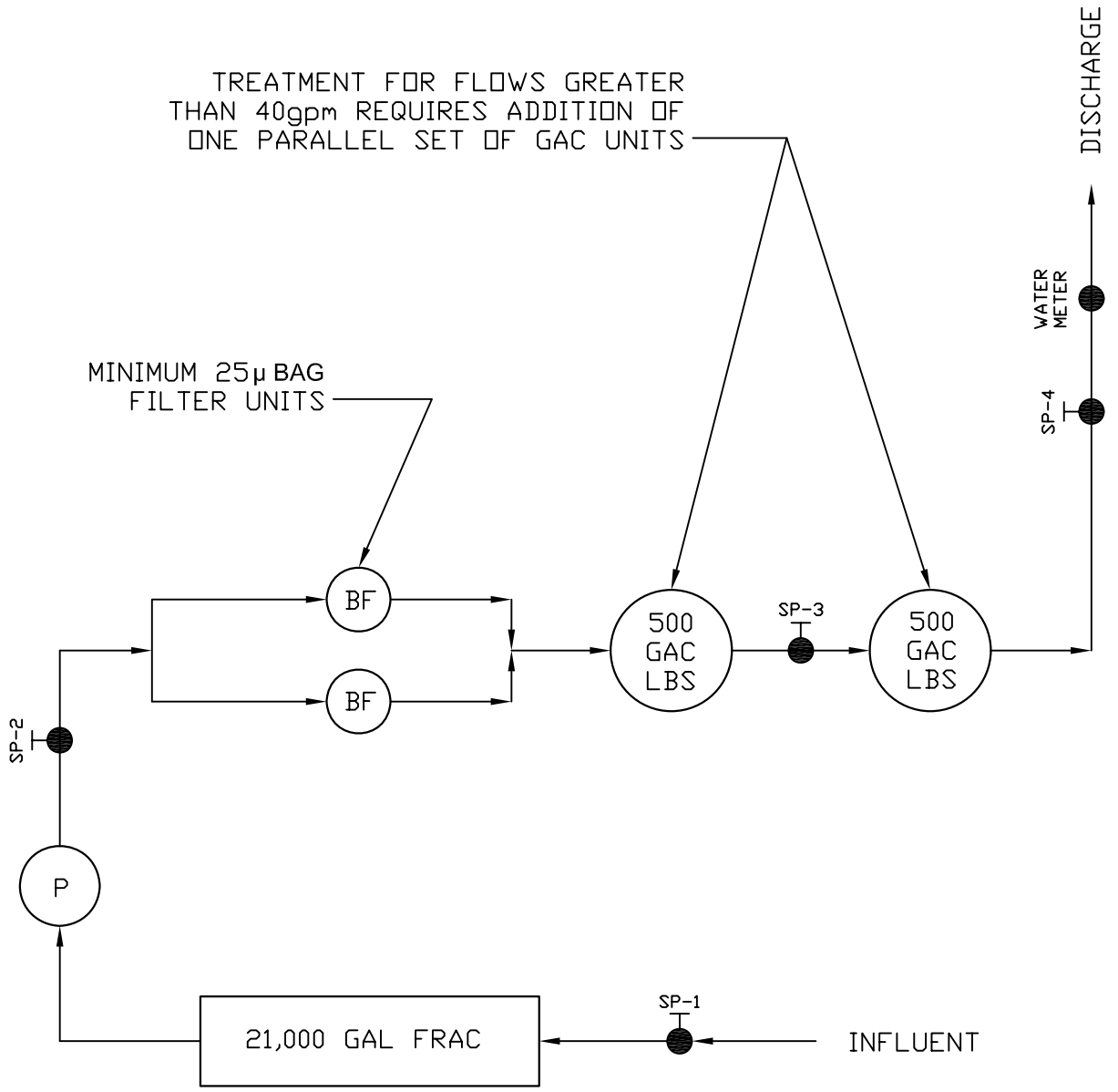
Title: Vice President, DellBrook Construction, LLC

Date: 1/4/08



SITE LOCATION MAP	FS ENGINEERS, INC. 289 GREAT ROAD ACTON, MA 01720 TEL. (978) 263 - 9882 FAX. (978) 263 - 3709	59 WALPOLE STREET CANTON, MASSACHUSETTS
FIGURE 1		
NOT TO SCALE		

NO	DATE	REVISION
DATE: 01/04/2008		
DRAWN BY: MFS		



LEGEND

SP-1	SAMPLING PORT
	WATER METER
GAC	LIQUID PHASE GRANULAR ACTIVATED CARBON
BF	BAG FILTER
P	PUMP

GROUND WATER TREATMENT SYSTEM

FIGURE 2

NOT TO SCALE

FS ENGINEERS, INC.
289 GREAT ROAD
ACTON, MA 01720
TEL. (978) 263 - 9882
FAX. (978) 263 - 3709

59 WALPOLE STREET

CANTON, MASSACHUSETTS

NO	DATE	REVISION

DATE: 01/04/2008

DRAWN BY: MFS

Streamflow Statistics Report

Date: Fri Jan 4 2008 08:56:36
Site Location: Massachusetts
Drainage Area: 27.9 mi2
Latitude (NAD83): 42.1585 (42 09 30)
Longitude (NAD83): -71.1551 (-71 09 18)

Low Flow Basin Characteristics			
100% Statewide Low Flow (27.9 mi2)			
Parameter	**Value**	**Min**	**Max**
Drainage Area (square miles)	27.9	1.61	149
Mean Basin Slope from 250K DEM (percent)	1.47	0.32	24.6
Stratified Drift per Stream Length (square mile per mile)	0.25	0	1.29
Massachusetts Region (dimensionless)	0	0	1

Streamflow Statistics					
Statistic	**Flow (ft^3/s)**	**Prediction Error (percent)**	**Equivalent years of record**	**90-Percent Prediction Interval**	
				Minimum	**Maximum**
D50	28.5	18		17.1	47.3
D60	22.1	20		2.74	178
D70	14.7	24		2.35	91.5
D75	11.8	26		2.1	65.4
D80	9.01	28		3.67	21.8
D85	6.73	32		2.68	16.6
D90	4.99	37		1.9	12.8
D95	2.99	46		0.99	8.7
D98	1.99	60		0.58	6.52
D99	1.53	65		0.41	5.37
Low-Flow Statistics					
M7D2Y	3.37	50		1.07	10.3
AUGD50	7.48	33		2.95	18.6
M7D10Y	1.4	71		0.35	5.12

Report Date:
21-Dec-07 14:50

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

FS Engineers, Inc.
289 Great Road; Suite 102
Acton, MA 01720-5314
Attn: Michael Hudson

Project: Neponset St. - Canton, MA
Project 7-1279

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA72337-01	TP-1	Ground Water	13-Dec-07 08:15	14-Dec-07 14:05
SA72337-02	TP-2	Ground Water	13-Dec-07 08:45	14-Dec-07 14:05
SA72337-03	TP-3	Ground Water	13-Dec-07 09:15	14-Dec-07 14:05
SA72337-04	TP-4	Ground Water	13-Dec-07 09:45	14-Dec-07 14:05
SA72337-05	TP-1	Soil	13-Dec-07 08:15	14-Dec-07 14:05
SA72337-06	TP-2	Soil	13-Dec-07 08:45	14-Dec-07 14:05
SA72337-07	TP-3	Soil	13-Dec-07 09:15	14-Dec-07 14:05
SA72337-08	TP-4	Soil	13-Dec-07 09:45	14-Dec-07 14:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 81 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received @ 2.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

+MADEP EPH 5/2004 R

Laboratory Control Samples:

7121064-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Benzo (b) fluoranthene
Benzo (k) fluoranthene

SW 846 8260B

SW 846 8260B

Laboratory Control Samples:

7121225-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,2-Dichloropropane
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
Tert-Butanol / butyl alcohol
Tetrahydrofuran

Analyte out of acceptance range.

1,2-Dibromo-3-chloropropane

7121225-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,2-Dichloropropane
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
Tert-Butanol / butyl alcohol
Tetrahydrofuran

Analyte out of acceptance range.

Ethanol

7121226-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

1,1,2-Trichlorotrifluoroethane (Fr
Chloromethane

Analyte out of acceptance range.

Vinyl chloride

7121226-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

1,1,2-Trichlorotrifluoroethane (Fr
Chloromethane

7121229-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethanol

7121229-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethanol

SW 846 8260B

Spikes:

7121226-MS1 *Source: SA72356-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1-Dichloroethene
Trichloroethene

Samples:

SA72337-01 *TP-1*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SA72337-02 *TP-2*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

4-Bromofluorobenzene

SA72337-05 *TP-1*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SA72337-06 *TP-2*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SA72337-08 *TP-4*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

Acetone

SW846 6010B

SW846 6010B

Spikes:

7121102-MS1 *Source: SA72315-02*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.

Antimony

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead
Nickel
Zinc

7121102-MSD1 *Source: SA72315-02*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Zinc

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.

Antimony
Chromium

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Copper
Lead
Nickel
Zinc

Duplicates:

7121102-DUP1 *Source: SA72269-04*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Zinc

SW846 7471A

Spikes:

7121104-MS1 *Source: SA72315-04*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Mercury

7121104-MSD1 *Source: SA72315-04*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Mercury

7121104-PS1 *Source: SA72315-04*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Mercury

SW846 8082

Samples:

SA72337-02 *TP-2*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Decachlorobiphenyl (Sr)

SW846 8270C

Samples:

SA72337-01 *TP-1*

Insufficient volume of sample to confirm matrix interference

2-Fluorophenol
Phenol-d5

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2-Fluorophenol
Phenol-d5

SA72337-02 *TP-2*

Insufficient volume of sample to confirm matrix interference

2-Fluorophenol
Phenol-d5

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2-Fluorophenol
Phenol-d5

SA72337-03 *TP-3*

Insufficient volume of sample to confirm matrix interference

2-Fluorophenol
Phenol-d5

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2-Fluorophenol
Phenol-d5

SA72337-04 *TP-4*

Insufficient volume of sample to confirm matrix interference

2-Fluorophenol
Phenol-d5

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

2-Fluorophenol
Phenol-d5

The aqueous samples in this work order have low surrogate recovery for the SW846 8270 Phenol analysis. There was insufficient sample volume to confirm this was a matrix effect due to the full amber liter being extracted.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 SA72337-01	7-1279	Ground Water	13-Dec-07 08:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	10.0	10	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
67-64-1	Acetone	BRL		µg/l	100	10	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	10.0	10	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	10.0	10	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	10.0	10	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	10.0	10	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	10.0	10	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	20.0	10	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	100	10	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
135-98-8	sec-Butylbenzene	15.4		µg/l	10.0	10	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	50.0	10	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	10.0	10	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	20.0	10	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	10.0	10	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	20.0	10	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	10.0	10	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	10.0	10	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	20.0	10	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	10.0	10	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	10.0	10	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	10.0	10	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	20.0	10	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	10.0	10	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	10.0	10	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	10.0	10	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	10.0	10	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	10.0	10	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	10.0	10	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	10.0	10	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	10.0	10	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	10.0	10	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	10.0	10	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	100	10	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	10.0	10	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	10.0	10	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	100	10	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	50.0	10	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	10.0	10	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 SA72337-01	7-1279	Ground Water	13-Dec-07 08:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	10.0	10	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	10.0	10	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	10.0	10	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	10.0	10	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	10.0	10	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	10.0	10	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	10.0	10	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	10.0	10	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	10.0	10	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	10.0	10	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	20.0	10	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	10.0	10	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	100	10	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	10.0	10	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	10.0	10	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	10.0	10	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	10.0	10	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	100	10	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	200	10	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	50.0	10	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	5000	10	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*111*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*113*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	2.84	1	SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
95-57-8	2-Chlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	5.68	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 SA72337-01	7-1279	Ground Water	13-Dec-07 08:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
367-12-4	*2-Fluorophenol*	*4*	S04, Z-2	*15-110 %*			SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
4165-62-2	*Phenol-d5*	*2*	S04, Z-2	*15-110 %*			"	"	"	"	"
Phthalates by SW846 8270C											
Prepared by method SW846 3510C											
117-81-7	Bis(2-ethylhexyl)phthalate	22.0		µg/l	2.84	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	9.08		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*47*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*38*		*30-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.235	1	SW846 8082	17-Dec-07	19-Dec-07	7121066	MAL
11104-28-2	PCB 1221	BRL		µg/l	0.235	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/l	0.235	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/l	0.235	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/l	0.235	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/l	0.235	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/l	0.235	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/l	0.235	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/l	0.235	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*30*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3510C											
	C9-C18 Aliphatic Hydrocarbons	2.0		mg/l	0.2	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	2.0		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	2.0		mg/l	0.2	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
91-20-3	Naphthalene	BRL		µg/l	5.56	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.56	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	5.56	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/l	5.56	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	5.56	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	5.56	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	5.56	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	5.56	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 SA72337-01	7-1279	Ground Water	13-Dec-07 08:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.56	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
218-01-9	Chrysene	BRL		µg/l	5.56	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.56	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.56	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.56	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.56	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*52*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*73*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*76*		*40-140 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2	7-1279	Ground Water	13-Dec-07 08:45	14-Dec-07
SA72337-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	5.0	5	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
67-64-1	Acetone	BRL		µg/l	50.0	5	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	5.0	5	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	5.0	5	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	5.0	5	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	5.0	5	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	10.0	5	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	50.0	5	"	"	"	"	"
104-51-8	n-Butylbenzene	230		µg/l	5.0	5	"	"	"	"	"
135-98-8	sec-Butylbenzene	197		µg/l	5.0	5	"	"	"	"	"
98-06-6	tert-Butylbenzene	9.4		µg/l	5.0	5	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	25.0	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	5.0	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	10.0	5	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	5.0	5	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	10.0	5	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	10.0	5	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	5.0	5	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	5.0	5	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	5.0	5	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	10.0	5	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"
100-41-4	Ethylbenzene	45.8		µg/l	5.0	5	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.0	5	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"
98-82-8	Isopropylbenzene	176		µg/l	5.0	5	"	"	"	"	"
99-87-6	4-Isopropyltoluene	183		µg/l	5.0	5	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	25.0	5	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	5.0	5	"	"	"	"	"
103-65-1	n-Propylbenzene	282		µg/l	5.0	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 SA72337-02	7-1279	Ground Water	13-Dec-07 08:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	5.0	5	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	5.0	5	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	5.0	5	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	182		µg/l	5.0	5	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	70.4		µg/l	5.0	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	5.0	5	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	10.0	5	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	5.0	5	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	50.0	5	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	50.0	5	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	100	5	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	25.0	5	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	2500	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*170*	S04	*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*115*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*95*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	2.84	1	SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
95-57-8	2-Chlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	5.68	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 SA72337-02	7-1279	Ground Water	13-Dec-07 08:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
367-12-4	*2-Fluorophenol*	*5*	S04, Z-2	*15-110 %*			SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
4165-62-2	*Phenol-d5*	*1*	S04, Z-2	*15-110 %*			"	"	"	"	"
Phthalates by SW846 8270C											
Prepared by method SW846 3510C											
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*44*		*30-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.235	1	SW846 8082	17-Dec-07	19-Dec-07	7121066	MAL
11104-28-2	PCB 1221	BRL		µg/l	0.235	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/l	0.235	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/l	0.235	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/l	0.235	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/l	0.235	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/l	0.235	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/l	0.235	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/l	0.235	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*20*	S04	*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3510C											
	C9-C18 Aliphatic Hydrocarbons	11.3		mg/l	0.2	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	0.9		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	0.9		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	12.2		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	12.2		mg/l	0.2	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
91-20-3	Naphthalene	BRL		µg/l	5.56	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	12.7		µg/l	5.56	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	5.56	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/l	5.56	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	5.56	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	5.56	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	5.56	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	5.56	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 SA72337-02	7-1279	Ground Water	13-Dec-07 08:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.56	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
218-01-9	Chrysene	BRL		µg/l	5.56	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.56	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.56	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.56	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.56	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*65*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*54*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*50*		*40-140 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 SA72337-03	7-1279	Ground Water	13-Dec-07 09:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	1.0	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	1.6		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	1.0	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	1.3		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	1.8		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
103-65-1	n-Propylbenzene	2.1		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3	7-1279	Ground Water	13-Dec-07 09:15	14-Dec-07
SA72337-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	1.3		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	500	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*104*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	2.84	1	SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
95-57-8	2-Chlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	5.68	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 SA72337-03	7-1279	Ground Water	13-Dec-07 09:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
367-12-4	*2-Fluorophenol*	*2*	S04, Z-2	*15-110 %*			SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
4165-62-2	*Phenol-d5*	*0.6*	S04, Z-2	*15-110 %*			"	"	"	"	"
Phthalates by SW846 8270C											
Prepared by method SW846 3510C											
117-81-7	Bis(2-ethylhexyl)phthalate	31.8		µg/l	2.84	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	14.1		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*49*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*38*		*30-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.235	1	SW846 8082	17-Dec-07	19-Dec-07	7121066	MAL
11104-28-2	PCB 1221	BRL		µg/l	0.235	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/l	0.235	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/l	0.235	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/l	0.235	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/l	0.235	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/l	0.235	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/l	0.235	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/l	0.235	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3510C											
	C9-C18 Aliphatic Hydrocarbons	0.4		mg/l	0.2	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	0.4		mg/l	0.2	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
91-20-3	Naphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	6.25	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/l	6.25	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	6.25	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	6.25	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	6.25	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	6.25	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 SA72337-03	7-1279	Ground Water	13-Dec-07 09:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
56-55-3	Benzo (a) anthracene	BRL		µg/l	6.25	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
218-01-9	Chrysene	BRL		µg/l	6.25	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	6.25	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	6.25	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	6.25	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	6.25	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*56*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*65*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*61*		*40-140 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4	7-1279	Ground Water	13-Dec-07 09:45	14-Dec-07
SA72337-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	1.0	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	1.0	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 SA72337-04	7-1279	Ground Water	13-Dec-07 09:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121226	JLD
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	500	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	2.84	1	SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
95-57-8	2-Chlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	5.68	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	2.84	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	2.84	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 SA72337-04	7-1279	Ground Water	13-Dec-07 09:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Acid Extractables/Phenols by SW846 8270C											
Prepared by method SW846 3510C											
367-12-4	*2-Fluorophenol*	*0.02*	S04, Z-2	*15-110 %*			SW846 8270C	18-Dec-07	20-Dec-07	7121200	M.B
4165-62-2	*Phenol-d5*	*0.3*	S04, Z-2	*15-110 %*			"	"	"	"	"
Phthalates by SW846 8270C											
Prepared by method SW846 3510C											
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/l	2.84	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*51*		*30-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.235	1	SW846 8082	17-Dec-07	19-Dec-07	7121066	MAL
11104-28-2	PCB 1221	BRL		µg/l	0.235	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/l	0.235	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/l	0.235	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/l	0.235	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/l	0.235	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/l	0.235	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/l	0.235	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/l	0.235	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3510C											
	C9-C18 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	BRL		mg/l	0.2	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
91-20-3	Naphthalene	BRL		µg/l	5.88	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.88	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	5.88	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/l	5.88	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	5.88	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	5.88	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	5.88	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	5.88	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 SA72337-04	7-1279	Ground Water	13-Dec-07 09:45	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.88	1	MADEP EPH 5/2004 R	17-Dec-07	20-Dec-07	7121064	M.B
218-01-9	Chrysene	BRL		µg/l	5.88	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.88	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.88	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.88	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.88	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*58*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*62*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*57*		*40-140 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1	7-1279	Soil	13-Dec-07 08:15	14-Dec-07
SA72337-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	17-Dec-07	17-Dec-07	7121189	RD
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	149	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
67-64-1	Acetone	BRL		µg/kg dry	1490	100	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	149	100	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	149	100	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	149	100	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	149	100	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	149	100	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	299	100	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1490	100	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	746	100	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	149	100	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	299	100	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	149	100	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	299	100	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	149	100	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	149	100	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	299	100	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	149	100	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	149	100	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	149	100	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	299	100	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	149	100	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	149	100	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	149	100	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	149	100	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	149	100	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	149	100	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	149	100	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	149	100	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	149	100	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	149	100	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1490	100	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	149	100	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	149	100	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1490	100	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	1490	100	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	149	100	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1	7-1279	Soil	13-Dec-07 08:15	14-Dec-07
SA72337-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	149	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
100-42-5	Styrene	BRL		µg/kg dry	149	100	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	149	100	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	149	100	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	149	100	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	149	100	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	149	100	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	149	100	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	149	100	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	149	100	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	299	100	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	149	100	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	1490	100	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	149	100	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	149	100	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	149	100	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	149	100	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1490	100	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	2990	100	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	746	100	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	74600	100	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*94*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	34.0	1	SW846 8082	17-Dec-07	18-Dec-07	7121135	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	34.0	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	34.0	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	34.0	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	34.0	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	34.0	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	34.0	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	34.0	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	34.0	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 SA72337-05	7-1279	Soil	13-Dec-07 08:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3545A											
	C9-C18 Aliphatic Hydrocarbons	173		mg/kg dry	35.5	1	MADEP EPH 5/2004 R	17-Dec-07	19-Dec-07	7121060	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	35.5	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	106		mg/kg dry	35.5	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	106		mg/kg dry	35.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	280		mg/kg dry	35.5	1	"	"	"	"	"
	Unadjusted Total Petroleum	280		mg/kg dry	35.5	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3545A											
91-20-3	Naphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/kg dry	177	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/kg dry	177	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	177	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	177	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	177	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	177	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*59*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*66*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*65*		*40-140 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.88	1	SW846 6010B	18-Dec-07	20-Dec-07	7121102	LR/SA
7440-38-2	Arsenic	3.02		mg/kg dry	1.88	1	"	"	"	"	"
7440-41-7	Beryllium	BRL		mg/kg dry	0.627	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.627	1	"	"	"	"	"
7440-47-3	Chromium	8.31		mg/kg dry	1.25	1	"	"	"	"	"
7440-50-8	Copper	12.1		mg/kg dry	1.25	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0391	1	SW846 7471A	"	19-Dec-07	7121104	CRM
7440-02-0	Nickel	5.79		mg/kg dry	1.25	1	SW846 6010B	"	20-Dec-07	7121102	LR/SA
7439-92-1	Lead	15.9		mg/kg dry	1.88	1	"	"	"	"	LR/
7440-36-0	Antimony	BRL		mg/kg dry	3.76	1	"	"	"	"	LR/SA
7782-49-2	Selenium	BRL		mg/kg dry	1.88	1	"	"	"	"	LR/
7440-28-0	Thallium	BRL		mg/kg dry	3.76	1	"	"	"	"	LR/SA
7440-66-6	Zinc	40.2		mg/kg dry	1.25	1	"	"	"	"	LR/
General Chemistry Parameters											
	% Solids	74.4		%		1	SM2540 G Mod.	18-Dec-07	18-Dec-07	7121264	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2	7-1279	Soil	13-Dec-07 08:45	14-Dec-07
SA72337-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	17-Dec-07	17-Dec-07	7121189	RD
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	267	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
67-64-1	Acetone	BRL		µg/kg dry	2670	100	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	267	100	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	267	100	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	267	100	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	267	100	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	267	100	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	535	100	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	2670	100	"	"	"	"	"
104-51-8	n-Butylbenzene	4,750		µg/kg dry	267	100	"	"	"	"	"
135-98-8	sec-Butylbenzene	3,240		µg/kg dry	267	100	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	1340	100	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	267	100	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	535	100	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	267	100	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	535	100	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	267	100	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	267	100	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	535	100	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	267	100	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	267	100	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	267	100	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	535	100	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	267	100	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	267	100	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	267	100	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	267	100	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	267	100	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	267	100	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	267	100	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	267	100	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	267	100	"	"	"	"	"
100-41-4	Ethylbenzene	1,070		µg/kg dry	267	100	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	267	100	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	2670	100	"	"	"	"	"
98-82-8	Isopropylbenzene	3,200		µg/kg dry	267	100	"	"	"	"	"
99-87-6	4-Isopropyltoluene	3,770		µg/kg dry	267	100	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	267	100	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	2670	100	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	2670	100	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	267	100	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2	7-1279	Soil	13-Dec-07 08:45	14-Dec-07
SA72337-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	6,260		µg/kg dry	267	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
100-42-5	Styrene	BRL		µg/kg dry	267	100	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	267	100	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	267	100	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	267	100	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	267	100	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	267	100	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	267	100	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	267	100	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	527		µg/kg dry	267	100	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	538		µg/kg dry	267	100	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	267	100	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	535	100	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	267	100	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	2670	100	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	267	100	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	267	100	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	267	100	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	267	100	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	2670	100	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	5350	100	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	1340	100	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	134000	100	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*117*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*94*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*89*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	48.2	1	SW846 8082	17-Dec-07	18-Dec-07	7121135	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	48.2	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	48.2	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	48.2	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	48.2	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	48.2	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	48.2	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	48.2	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	48.2	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2	7-1279	Soil	13-Dec-07 08:45	14-Dec-07
SA72337-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3545A											
	C9-C18 Aliphatic Hydrocarbons	1,650		mg/kg dry	46.3	1	MADEP EPH 5/2004 R	17-Dec-07	19-Dec-07	7121060	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	46.3	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	252		mg/kg dry	46.3	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	254		mg/kg dry	46.3	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	1,900		mg/kg dry	46.3	1	"	"	"	"	"
	Unadjusted Total Petroleum	1,900		mg/kg dry	46.3	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3545A											
91-20-3	Naphthalene	BRL		µg/kg dry	231	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	2,100		µg/kg dry	231	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/kg dry	231	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/kg dry	231	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	231	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	231	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	231	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	231	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	231	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	231	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	231	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	231	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	231	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	231	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*69*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*75*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*57*		*40-140 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.33	1	SW846 6010B	18-Dec-07	20-Dec-07	7121102	LR/SA
7440-38-2	Arsenic	3.72		mg/kg dry	2.33	1	"	"	"	"	"
7440-41-7	Beryllium	0.892		mg/kg dry	0.776	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.776	1	"	"	"	"	"
7440-47-3	Chromium	13.3		mg/kg dry	1.55	1	"	"	"	"	"
7440-50-8	Copper	21.6		mg/kg dry	1.55	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0520	1	SW846 7471A	"	19-Dec-07	7121104	CRM
7440-02-0	Nickel	10.5		mg/kg dry	1.55	1	SW846 6010B	"	20-Dec-07	7121102	LR/SA
7439-92-1	Lead	19.1		mg/kg dry	2.33	1	"	"	"	"	LR/
7440-36-0	Antimony	BRL		mg/kg dry	4.65	1	"	"	"	"	LR/SA
7782-49-2	Selenium	BRL		mg/kg dry	2.33	1	"	"	"	"	LR/
7440-28-0	Thallium	BRL		mg/kg dry	4.65	1	"	"	"	"	LR/SA
7440-66-6	Zinc	68.8		mg/kg dry	1.55	1	"	"	"	"	LR/
General Chemistry Parameters											
	% Solids	55.8		%		1	SM2540 G Mod.	18-Dec-07	18-Dec-07	7121264	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3	7-1279	Soil	13-Dec-07 09:15	14-Dec-07
SA72337-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	17-Dec-07	17-Dec-07	7121189	RD
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	147	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
67-64-1	Acetone	BRL		µg/kg dry	1470	100	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	147	100	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	147	100	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	147	100	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	147	100	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	147	100	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	295	100	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1470	100	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	737	100	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	147	100	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	295	100	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	147	100	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	295	100	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	147	100	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	147	100	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	295	100	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	147	100	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	147	100	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	147	100	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	295	100	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	147	100	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	147	100	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	147	100	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	147	100	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	147	100	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	147	100	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	147	100	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	147	100	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	147	100	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	147	100	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1470	100	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	147	100	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	147	100	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1470	100	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	1470	100	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	147	100	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 SA72337-07	7-1279	Soil	13-Dec-07 09:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	147	100	SW 846 8260B	18-Dec-07	18-Dec-07	7121225	adu
100-42-5	Styrene	BRL		µg/kg dry	147	100	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	147	100	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	147	100	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	147	100	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	147	100	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	147	100	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	147	100	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	147	100	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	147	100	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	295	100	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	147	100	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	1470	100	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	147	100	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	147	100	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	147	100	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	147	100	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1470	100	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	2950	100	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	737	100	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	73700	100	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*91*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*86*		*70-130 %*			"	"	"	"	"
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freo	BRL		µg/kg dry	10.6	1	SW 846 8260B	19-Dec-07	19-Dec-07	7121349	JRO
67-64-1	Acetone	BRL		µg/kg dry	106	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.6	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	10.6	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	21.2	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	106	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	53.1	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	21.2	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3	7-1279	Soil	13-Dec-07 09:15	14-Dec-07
SA72337-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
67-66-3	Chloroform	BRL		µg/kg dry	10.6	1	SW 846 8260B	19-Dec-07	19-Dec-07	7121349	JRO
74-87-3	Chloromethane	BRL		µg/kg dry	21.2	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	21.2	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.6	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	21.2	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	106	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	106	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	106	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	21.2	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3	7-1279	Soil	13-Dec-07 09:15	14-Dec-07
SA72337-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
95-47-6	o-Xylene	BRL		µg/kg dry	10.6	1	SW 846 8260B	19-Dec-07	19-Dec-07	7121349	JRO
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	106	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	106	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	212	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	53.1	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	5310	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*107*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	43.1	1	SW846 8082	17-Dec-07	18-Dec-07	7121135	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	43.1	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	43.1	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	43.1	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	43.1	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	43.1	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	43.1	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	43.1	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	43.1	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3545A											
	C9-C18 Aliphatic Hydrocarbons	BRL		mg/kg dry	43.8	1	MADEP EPH 5/2004 R	17-Dec-07	19-Dec-07	7121060	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	43.8	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL		mg/kg dry	43.8	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL		mg/kg dry	43.8	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	43.8	1	"	"	"	"	"
	Unadjusted Total Petroleum	BRL		mg/kg dry	43.8	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3545A											
91-20-3	Naphthalene	BRL		µg/kg dry	218	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	218	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/kg dry	218	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/kg dry	218	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	218	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	218	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	218	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 SA72337-07	7-1279	Soil	13-Dec-07 09:15	14-Dec-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Target PAH Analytes											
Prepared by method SW846 3545A											
206-44-0	Fluoranthene	BRL		µg/kg dry	218	1	MADEP EPH 5/2004 R	17-Dec-07	19-Dec-07	7121060	M.B
129-00-0	Pyrene	BRL		µg/kg dry	218	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	218	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	218	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	218	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	218	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	218	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	218	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	218	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	218	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*71*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*78*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*65*		*40-140 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.18	1	SW846 6010B	18-Dec-07	20-Dec-07	7121102	LR/SA
7440-38-2	Arsenic	3.01		mg/kg dry	2.18	1	"	"	"	"	"
7440-41-7	Beryllium	BRL		mg/kg dry	0.728	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.728	1	"	"	"	"	"
7440-47-3	Chromium	18.8		mg/kg dry	1.46	1	"	"	"	"	"
7440-50-8	Copper	12.6		mg/kg dry	1.46	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0492	1	SW846 7471A	"	19-Dec-07	7121104	CRM
7440-02-0	Nickel	12.9		mg/kg dry	1.46	1	SW846 6010B	"	20-Dec-07	7121102	LR/SA
7439-92-1	Lead	10.2		mg/kg dry	2.18	1	"	"	"	"	LR/
7440-36-0	Antimony	BRL		mg/kg dry	4.37	1	"	"	"	"	LR/SA
7782-49-2	Selenium	BRL		mg/kg dry	2.18	1	"	"	"	"	LR/
7440-28-0	Thallium	BRL		mg/kg dry	4.37	1	"	"	"	"	LR/SA
7440-66-6	Zinc	77.1		mg/kg dry	1.46	1	"	"	"	"	LR/
General Chemistry Parameters											
	% Solids	59.4		%		1	SM2540 G Mod.	18-Dec-07	18-Dec-07	7121264	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4	7-1279	Soil	13-Dec-07 09:45	14-Dec-07
SA72337-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	17-Dec-07	17-Dec-07	7121189	RD
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	12.5	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121229	JRO
67-64-1	Acetone	342	VOC6	µg/kg dry	125	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	12.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	12.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	25.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	125	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	62.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	25.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	12.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	25.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	25.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	12.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	25.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	125	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	125	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	125	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	12.5	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4	7-1279	Soil	13-Dec-07 09:45	14-Dec-07
SA72337-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	12.5	1	SW 846 8260B	18-Dec-07	18-Dec-07	7121229	JRO
100-42-5	Styrene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	12.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	12.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	25.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	125	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	12.5	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	12.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	12.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	12.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	125	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	250	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	62.6	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	6260	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*108*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*127*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	46.1	1	SW846 8082	17-Dec-07	18-Dec-07	7121135	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	46.1	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	46.1	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	46.1	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	46.1	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	46.1	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	46.1	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	46.1	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	46.1	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4	7-1279	Soil	13-Dec-07 09:45	14-Dec-07
SA72337-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3545A											
	C9-C18 Aliphatic Hydrocarbons	61.4		mg/kg dry	49.6	1	MADEP EPH 5/2004 R	17-Dec-07	19-Dec-07	7121060	M.B
	C19-C36 Aliphatic Hydrocarbons	1,360		mg/kg dry	49.6	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	741		mg/kg dry	49.6	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	743		mg/kg dry	49.6	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	2,160		mg/kg dry	49.6	1	"	"	"	"	"
	Unadjusted Total Petroleum	2,160		mg/kg dry	49.6	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3545A											
91-20-3	Naphthalene	BRL		µg/kg dry	247	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	247	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/kg dry	247	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/kg dry	247	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	247	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	247	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	247	1	"	"	"	"	"
206-44-0	Fluoranthene	262		µg/kg dry	247	1	"	"	"	"	"
129-00-0	Pyrene	379		µg/kg dry	247	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	379		µg/kg dry	247	1	"	"	"	"	"
218-01-9	Chrysene	391		µg/kg dry	247	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	247	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	247	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	247	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	247	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	247	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	247	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*51*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*79*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*67*		*40-140 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.48	1	SW846 6010B	18-Dec-07	20-Dec-07	7121102	LR/SA
7440-38-2	Arsenic	15.6		mg/kg dry	2.48	1	"	"	"	"	"
7440-41-7	Beryllium	1.05		mg/kg dry	0.827	1	"	"	"	"	"
7440-43-9	Cadmium	1.07		mg/kg dry	0.827	1	"	"	"	"	"
7440-47-3	Chromium	83.8		mg/kg dry	1.65	1	"	"	"	"	"
7440-50-8	Copper	235		mg/kg dry	1.65	1	"	"	"	"	"
7439-97-6	Mercury	0.547		mg/kg dry	0.0498	1	SW846 7471A	"	19-Dec-07	7121104	CRM
7440-02-0	Nickel	14.1		mg/kg dry	1.65	1	SW846 6010B	"	20-Dec-07	7121102	LR/SA
7439-92-1	Lead	236		mg/kg dry	2.48	1	"	"	"	"	LR/
7440-36-0	Antimony	BRL		mg/kg dry	4.96	1	"	"	"	"	LR/SA
7782-49-2	Selenium	BRL		mg/kg dry	2.48	1	"	"	"	"	LR/
7440-28-0	Thallium	BRL		mg/kg dry	4.96	1	"	"	"	"	LR/SA
7440-66-6	Zinc	329		mg/kg dry	1.65	1	"	"	"	"	LR/
General Chemistry Parameters											
	% Solids	58.9		%		1	SM2540 G Mod.	18-Dec-07	18-Dec-07	7121264	DBM

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
Blank (7121225-BLK1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
Blank (7121225-BLK1)										
Prepared & Analyzed: 18-Dec-07										
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	500						
Surrogate: 4-Bromofluorobenzene	*23.1*		µg/kg wet		*30.0*		*77*	*70-130*		
Surrogate: Toluene-d8	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.7*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*27.8*		µg/kg wet		*30.0*		*92*	*70-130*		
LCS (7121225-BS1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.5		µg/kg wet		20.0		112	70-130		
Acetone	18.5		µg/kg wet		20.0		92	24.9-167		
Acrylonitrile	14.1		µg/kg wet		20.0		70	70-130		
Benzene	23.1		µg/kg wet		20.0		116	70-130		
Bromobenzene	18.5		µg/kg wet		20.0		93	70-130		
Bromochloromethane	19.5		µg/kg wet		20.0		98	70-130		
Bromodichloromethane	18.4		µg/kg wet		20.0		92	70-130		
Bromoform	12.1	QC2	µg/kg wet		20.0		60	70-130		
Bromomethane	21.2		µg/kg wet		20.0		106	57.4-139		
2-Butanone (MEK)	11.7		µg/kg wet		20.0		59	46.9-141		
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	15.8		µg/kg wet		20.0		79	70-130		
tert-Butylbenzene	16.6		µg/kg wet		20.0		83	70-130		
Carbon disulfide	20.1		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
Chloroethane	22.1		µg/kg wet		20.0		111	60.5-131		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
LCS (7121225-BS1)										
Prepared & Analyzed: 18-Dec-07										
Chloroform	21.1		µg/kg wet		20.0		106	70-130		
Chloromethane	25.0		µg/kg wet		20.0		125	70-130		
2-Chlorotoluene	18.0		µg/kg wet		20.0		90	70-130		
4-Chlorotoluene	17.5		µg/kg wet		20.0		88	70-130		
1,2-Dibromo-3-chloropropane	13.0	QC1	µg/kg wet		20.0		65	70-130		
Dibromochloromethane	14.4		µg/kg wet		20.0		72	70-130		
1,2-Dibromoethane (EDB)	17.1		µg/kg wet		20.0		86	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		79	70-130		
1,4-Dichlorobenzene	21.1		µg/kg wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	25.7		µg/kg wet		20.0		128	47.2-175		
1,1-Dichloroethane	23.0		µg/kg wet		20.0		115	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130		
trans-1,2-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
2,2-Dichloropropane	29.1	QC2	µg/kg wet		20.0		145	70-130		
1,1-Dichloropropene	23.1		µg/kg wet		20.0		116	70-130		
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130		
Ethylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Hexachlorobutadiene	15.8		µg/kg wet		20.0		79	62.4-142		
2-Hexanone (MBK)	11.8	QC2	µg/kg wet		20.0		59	70-130		
Isopropylbenzene	17.3		µg/kg wet		20.0		86	70-130		
4-Isopropyltoluene	20.7		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	17.2		µg/kg wet		20.0		86	70-130		
4-Methyl-2-pentanone (MIBK)	11.2	QC2	µg/kg wet		20.0		56	70-135		
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130		
Naphthalene	22.9		µg/kg wet		20.0		115	70-130		
n-Propylbenzene	15.4		µg/kg wet		20.0		77	70-130		
Styrene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1,2,2-Tetrachloroethane	14.8		µg/kg wet		20.0		74	70-130		
Tetrachloroethene	21.2		µg/kg wet		20.0		106	70-130		
Toluene	21.2		µg/kg wet		20.0		106	70-130		
1,2,3-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trichlorobenzene	22.5		µg/kg wet		20.0		112	70-130		
1,1,1-Trichloroethane	22.9		µg/kg wet		20.0		115	70-130		
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130		
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	21.6		µg/kg wet		20.0		108	58.4-143		
1,2,3-Trichloropropane	16.5		µg/kg wet		20.0		83	70-130		
1,2,4-Trimethylbenzene	15.7		µg/kg wet		20.0		79	70-130		
1,3,5-Trimethylbenzene	16.9		µg/kg wet		20.0		84	70-130		
Vinyl chloride	24.3		µg/kg wet		20.0		121	70-130		
m,p-Xylene	41.9		µg/kg wet		40.0		105	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
LCS (7121225-BS1)										
Prepared & Analyzed: 18-Dec-07										
o-Xylene	19.6		µg/kg wet		20.0		98	70-130		
Tetrahydrofuran	13.6	QC2	µg/kg wet		20.0		68	70-130		
Ethyl ether	17.2		µg/kg wet		20.0		86	70-130		
Tert-amyl methyl ether	14.5		µg/kg wet		20.0		73	70-130		
Ethyl tert-butyl ether	21.1		µg/kg wet		20.0		106	70-130		
Di-isopropyl ether	18.2		µg/kg wet		20.0		91	70-130		
Tert-Butanol / butyl alcohol	115	QC2	µg/kg wet		200		58	70-130		
1,4-Dioxane	153		µg/kg wet		200		77	54.5-152		
trans-1,4-Dichloro-2-butene	15.9		µg/kg wet		20.0		80	70-130		
Ethanol	389		µg/kg wet		400		97	70-130		
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/kg wet		*30.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.1*		µg/kg wet		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
LCS Dup (7121225-BSD1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.2		µg/kg wet		20.0		106	70-130	6	25
Acetone	16.5		µg/kg wet		20.0		83	24.9-167	11	50
Acrylonitrile	14.5		µg/kg wet		20.0		72	70-130	3	25
Benzene	22.2		µg/kg wet		20.0		111	70-130	4	25
Bromobenzene	18.2		µg/kg wet		20.0		91	70-130	2	25
Bromochloromethane	19.2		µg/kg wet		20.0		96	70-130	2	25
Bromodichloromethane	18.2		µg/kg wet		20.0		91	70-130	0.7	25
Bromoform	12.6	QC2	µg/kg wet		20.0		63	70-130	4	25
Bromomethane	20.2		µg/kg wet		20.0		101	57.4-139	5	50
2-Butanone (MEK)	12.1		µg/kg wet		20.0		60	46.9-141	3	50
n-Butylbenzene	18.2		µg/kg wet		20.0		91	70-130	7	25
sec-Butylbenzene	14.9		µg/kg wet		20.0		75	70-130	6	25
tert-Butylbenzene	15.8		µg/kg wet		20.0		79	70-130	5	25
Carbon disulfide	19.2		µg/kg wet		20.0		96	70-130	4	25
Carbon tetrachloride	20.0		µg/kg wet		20.0		100	70-130	3	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
Chloroethane	21.3		µg/kg wet		20.0		106	60.5-131	4	50
Chloroform	20.3		µg/kg wet		20.0		102	70-130	4	25
Chloromethane	24.0		µg/kg wet		20.0		120	70-130	4	25
2-Chlorotoluene	17.5		µg/kg wet		20.0		87	70-130	3	25
4-Chlorotoluene	16.9		µg/kg wet		20.0		84	70-130	4	25
1,2-Dibromo-3-chloropropane	14.0		µg/kg wet		20.0		70	70-130	8	25
Dibromochloromethane	14.7		µg/kg wet		20.0		73	70-130	2	50
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		86	70-130	1	25
Dibromomethane	18.0		µg/kg wet		20.0		90	70-130	1	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	2	25
1,3-Dichlorobenzene	15.4		µg/kg wet		20.0		77	70-130	3	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	1	25
Dichlorodifluoromethane (Freon12)	24.7		µg/kg wet		20.0		124	47.2-175	4	50
1,1-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130	4	25
1,2-Dichloroethane	18.3		µg/kg wet		20.0		92	70-130	0.9	25
1,1-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130	6	25
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	3	25
trans-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	6	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
LCS Dup (7121225-BSD1)										
Prepared & Analyzed: 18-Dec-07										
1,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130	4	25
1,3-Dichloropropane	18.1		µg/kg wet		20.0		91	70-130	0.6	25
2,2-Dichloropropane	27.9	QC2	µg/kg wet		20.0		139	70-130	4	25
1,1-Dichloropropene	22.5		µg/kg wet		20.0		112	70-130	3	25
cis-1,3-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130	2	25
trans-1,3-Dichloropropene	23.6		µg/kg wet		20.0		118	70-130	1	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
Hexachlorobutadiene	15.6		µg/kg wet		20.0		78	62.4-142	1	50
2-Hexanone (MBK)	11.8	QC2	µg/kg wet		20.0		59	70-130	0.4	25
Isopropylbenzene	16.4		µg/kg wet		20.0		82	70-130	5	25
4-Isopropyltoluene	19.7		µg/kg wet		20.0		99	70-130	5	25
Methyl tert-butyl ether	17.8		µg/kg wet		20.0		89	70-130	3	25
4-Methyl-2-pentanone (MIBK)	11.5	QC2	µg/kg wet		20.0		58	70-135	3	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	5	25
Naphthalene	23.9		µg/kg wet		20.0		120	70-130	4	25
n-Propylbenzene	14.6		µg/kg wet		20.0		73	70-130	5	25
Styrene	18.5		µg/kg wet		20.0		93	70-130	5	25
1,1,1,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130	0.1	25
1,1,2,2-Tetrachloroethane	14.9		µg/kg wet		20.0		75	70-130	0.9	25
Tetrachloroethene	20.1		µg/kg wet		20.0		100	70-130	6	25
Toluene	20.1		µg/kg wet		20.0		101	70-130	5	25
1,2,3-Trichlorobenzene	20.9		µg/kg wet		20.0		105	70-130	4	25
1,2,4-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130	0.3	25
1,1,1-Trichloroethane	21.9		µg/kg wet		20.0		109	70-130	5	25
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	0.4	25
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130	6	25
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	58.4-143	4	50
1,2,3-Trichloropropane	16.8		µg/kg wet		20.0		84	70-130	1	25
1,2,4-Trimethylbenzene	15.2		µg/kg wet		20.0		76	70-130	3	25
1,3,5-Trimethylbenzene	16.3		µg/kg wet		20.0		81	70-130	4	25
Vinyl chloride	23.2		µg/kg wet		20.0		116	70-130	5	25
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130	4	25
o-Xylene	19.0		µg/kg wet		20.0		95	70-130	3	25
Tetrahydrofuran	13.6	QC2	µg/kg wet		20.0		68	70-130	0.2	25
Ethyl ether	17.3		µg/kg wet		20.0		87	70-130	0.8	50
Tert-amyl methyl ether	14.9		µg/kg wet		20.0		74	70-130	3	25
Ethyl tert-butyl ether	21.6		µg/kg wet		20.0		108	70-130	2	25
Di-isopropyl ether	17.5		µg/kg wet		20.0		88	70-130	4	25
Tert-Butanol / butyl alcohol	118	QC2	µg/kg wet		200		59	70-130	2	25
1,4-Dioxane	152		µg/kg wet		200		76	54.5-152	0.4	25
trans-1,4-Dichloro-2-butene	16.8		µg/kg wet		20.0		84	70-130	5	25
Ethanol	267	QC1	µg/kg wet		400		67	70-130	37	30
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/kg wet		*30.0*		*87*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.6*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Matrix Spike (7121225-MS1) **Source: SA72383-09**										
Prepared & Analyzed: 18-Dec-07										
Benzene	20.7		µg/kg dry		20.0	BRL	104	70-130		
Chlorobenzene	20.3		µg/kg dry		20.0	BRL	102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121225 - SW846 5030 Soil (high level)										
Matrix Spike (7121225-MS1) **Source: SA72383-09**										
Prepared & Analyzed: 18-Dec-07										
1,1-Dichloroethene	17.1		µg/kg dry		20.0	BRL	85	70-130		
Toluene	20.5		µg/kg dry		20.0	BRL	103	70-130		
Trichloroethene	19.1		µg/kg dry		20.0	BRL	96	70-130		
Surrogate: 4-Bromofluorobenzene	*28.2*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.1*		µg/kg dry		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*27.7*		µg/kg dry		*30.0*		*92*	*70-130*		
Matrix Spike Dup (7121225-MSD1) **Source: SA72383-09**										
Prepared & Analyzed: 18-Dec-07										
Benzene	21.6		µg/kg dry		20.0	BRL	108	70-130	4	30
Chlorobenzene	22.3		µg/kg dry		20.0	BRL	112	70-130	9	30
1,1-Dichloroethene	17.2		µg/kg dry		20.0	BRL	86	70-130	1	30
Toluene	21.9		µg/kg dry		20.0	BRL	110	70-130	7	30
Trichloroethene	20.0		µg/kg dry		20.0	BRL	100	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*27.4*		µg/kg dry		*30.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/kg dry		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*27.2*		µg/kg dry		*30.0*		*90*	*70-130*		
Batch 7121226 - SW846 5030 Water MS										
Blank (7121226-BLK1)										
Prepared & Analyzed: 18-Dec-07										
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/l	1.0						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121226 - SW846 5030 Water MS										
Blank (7121226-BLK1)										
Prepared & Analyzed: 18-Dec-07										
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	500						
Surrogate: 4-Bromofluorobenzene	*43.9*		µg/l		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*53.6*		µg/l		*50.0*		*107*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121226 - SW846 5030 Water MS										
LCS (7121226-BS1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	29.3	QC2	µg/l		20.0		146	70-130		
Acetone	19.3		µg/l		20.0		97	0-166		
Acrylonitrile	20.1		µg/l		20.0		100	70-130		
Benzene	22.3		µg/l		20.0		111	70-130		
Bromobenzene	21.5		µg/l		20.0		108	70-130		
Bromochloromethane	20.6		µg/l		20.0		103	70-130		
Bromodichloromethane	21.6		µg/l		20.0		108	70-130		
Bromoform	20.8		µg/l		20.0		104	70-130		
Bromomethane	26.2		µg/l		20.0		131	14-172		
2-Butanone (MEK)	18.1		µg/l		20.0		90	28.6-137		
n-Butylbenzene	20.1		µg/l		20.0		100	70-130		
sec-Butylbenzene	21.2		µg/l		20.0		106	70-130		
tert-Butylbenzene	20.7		µg/l		20.0		103	70-130		
Carbon disulfide	22.2		µg/l		20.0		111	70-130		
Carbon tetrachloride	23.2		µg/l		20.0		116	70-130		
Chlorobenzene	21.5		µg/l		20.0		107	70-130		
Chloroethane	24.2		µg/l		20.0		121	59.9-130		
Chloroform	21.5		µg/l		20.0		108	70-130		
Chloromethane	28.8	QC2	µg/l		20.0		144	70-130		
2-Chlorotoluene	22.9		µg/l		20.0		115	70-130		
4-Chlorotoluene	21.4		µg/l		20.0		107	70-130		
1,2-Dibromo-3-chloropropane	14.8		µg/l		20.0		74	70-130		
Dibromochloromethane	20.1		µg/l		20.0		101	70-130		
1,2-Dibromoethane (EDB)	19.4		µg/l		20.0		97	70-130		
Dibromomethane	20.3		µg/l		20.0		101	70-130		
1,2-Dichlorobenzene	21.6		µg/l		20.0		108	70-130		
1,3-Dichlorobenzene	22.4		µg/l		20.0		112	70-130		
1,4-Dichlorobenzene	20.4		µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	33.8		µg/l		20.0		169	59.1-169		
1,1-Dichloroethane	22.6		µg/l		20.0		113	70-130		
1,2-Dichloroethane	20.6		µg/l		20.0		103	70-130		
1,1-Dichloroethene	23.5		µg/l		20.0		118	70-130		
cis-1,2-Dichloroethene	22.4		µg/l		20.0		112	70-130		
trans-1,2-Dichloroethene	20.5		µg/l		20.0		103	70-130		
1,2-Dichloropropane	21.6		µg/l		20.0		108	70-130		
1,3-Dichloropropane	20.2		µg/l		20.0		101	70-130		
2,2-Dichloropropane	21.9		µg/l		20.0		109	70-130		
1,1-Dichloropropene	19.9		µg/l		20.0		100	70-130		
cis-1,3-Dichloropropene	19.4		µg/l		20.0		97	70-130		
trans-1,3-Dichloropropene	20.0		µg/l		20.0		100	70-130		
Ethylbenzene	22.1		µg/l		20.0		111	70-130		
Hexachlorobutadiene	20.6		µg/l		20.0		103	58.8-136		
2-Hexanone (MBK)	15.2		µg/l		20.0		76	70-130		
Isopropylbenzene	20.7		µg/l		20.0		104	70-130		
4-Isopropyltoluene	20.8		µg/l		20.0		104	70-130		
Methyl tert-butyl ether	18.2		µg/l		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	15.6		µg/l		20.0		78	63.2-130		
Methylene chloride	21.8		µg/l		20.0		109	70-130		
Naphthalene	17.4		µg/l		20.0		87	70-130		
n-Propylbenzene	21.0		µg/l		20.0		105	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121226 - SW846 5030 Water MS										
LCS (7121226-BS1)										
Prepared & Analyzed: 18-Dec-07										
Styrene	22.8		µg/l		20.0		114	70-130		
1,1,1,2-Tetrachloroethane	20.8		µg/l		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	18.9		µg/l		20.0		94	70-130		
Tetrachloroethene	20.8		µg/l		20.0		104	70-130		
Toluene	21.5		µg/l		20.0		107	70-130		
1,2,3-Trichlorobenzene	22.2		µg/l		20.0		111	70-130		
1,2,4-Trichlorobenzene	18.9		µg/l		20.0		95	70-130		
1,1,1-Trichloroethane	22.0		µg/l		20.0		110	70-130		
1,1,2-Trichloroethane	19.9		µg/l		20.0		99	70-130		
Trichloroethene	20.9		µg/l		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	26.6		µg/l		20.0		133	70-136		
1,2,3-Trichloropropane	20.3		µg/l		20.0		101	70-130		
1,2,4-Trimethylbenzene	21.0		µg/l		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.2		µg/l		20.0		106	70-130		
Vinyl chloride	30.2	QC1	µg/l		20.0		151	70-130		
m,p-Xylene	46.7		µg/l		40.0		117	70-130		
o-Xylene	23.0		µg/l		20.0		115	70-130		
Tetrahydrofuran	15.4		µg/l		20.0		77	70-130		
Ethyl ether	21.3		µg/l		20.0		107	70-130		
Tert-amyl methyl ether	18.8		µg/l		20.0		94	70-130		
Ethyl tert-butyl ether	21.0		µg/l		20.0		105	70-130		
Di-isopropyl ether	21.3		µg/l		20.0		106	70-130		
Tert-Butanol / butyl alcohol	143		µg/l		200		71	70-130		
1,4-Dioxane	149		µg/l		200		74	42.2-144		
trans-1,4-Dichloro-2-butene	16.8		µg/l		20.0		84	70-130		
Ethanol	334		µg/l		400		83	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (7121226-BSD1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.3	QC2	µg/l		20.0		131	70-130	11	25
Acetone	20.6		µg/l		20.0		103	0-166	7	50
Acrylonitrile	19.5		µg/l		20.0		97	70-130	3	25
Benzene	20.8		µg/l		20.0		104	70-130	7	25
Bromobenzene	20.2		µg/l		20.0		101	70-130	6	25
Bromochloromethane	20.8		µg/l		20.0		104	70-130	0.5	25
Bromodichloromethane	21.4		µg/l		20.0		107	70-130	1	25
Bromoform	20.2		µg/l		20.0		101	70-130	3	25
Bromomethane	24.5		µg/l		20.0		123	14-172	7	50
2-Butanone (MEK)	19.4		µg/l		20.0		97	28.6-137	7	50
n-Butylbenzene	17.2		µg/l		20.0		86	70-130	15	25
sec-Butylbenzene	18.4		µg/l		20.0		92	70-130	14	25
tert-Butylbenzene	18.5		µg/l		20.0		93	70-130	11	25
Carbon disulfide	20.2		µg/l		20.0		101	70-130	10	25
Carbon tetrachloride	20.5		µg/l		20.0		103	70-130	12	25
Chlorobenzene	20.4		µg/l		20.0		102	70-130	5	25
Chloroethane	22.4		µg/l		20.0		112	59.9-130	8	50
Chloroform	20.6		µg/l		20.0		103	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121226 - SW846 5030 Water MS										
LCS Dup (7121226-BSD1)										
Prepared & Analyzed: 18-Dec-07										
Chloromethane	26.6	QC2	µg/l		20.0		133	70-130	8	25
2-Chlorotoluene	21.9		µg/l		20.0		109	70-130	5	25
4-Chlorotoluene	20.6		µg/l		20.0		103	70-130	4	25
1,2-Dibromo-3-chloropropane	15.9		µg/l		20.0		80	70-130	7	25
Dibromochloromethane	19.8		µg/l		20.0		99	70-130	1	50
1,2-Dibromoethane (EDB)	19.0		µg/l		20.0		95	70-130	2	25
Dibromomethane	20.5		µg/l		20.0		102	70-130	1	25
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	70-130	6	25
1,3-Dichlorobenzene	20.6		µg/l		20.0		103	70-130	8	25
1,4-Dichlorobenzene	19.2		µg/l		20.0		96	70-130	7	25
Dichlorodifluoromethane (Freon12)	29.6		µg/l		20.0		148	59.1-169	13	50
1,1-Dichloroethane	20.9		µg/l		20.0		105	70-130	8	25
1,2-Dichloroethane	20.1		µg/l		20.0		100	70-130	3	25
1,1-Dichloroethene	21.2		µg/l		20.0		106	70-130	10	25
cis-1,2-Dichloroethene	21.0		µg/l		20.0		105	70-130	7	25
trans-1,2-Dichloroethene	19.1		µg/l		20.0		95	70-130	7	25
1,2-Dichloropropane	20.8		µg/l		20.0		104	70-130	4	25
1,3-Dichloropropane	20.1		µg/l		20.0		100	70-130	0.5	25
2,2-Dichloropropane	19.8		µg/l		20.0		99	70-130	10	25
1,1-Dichloropropene	18.0		µg/l		20.0		90	70-130	10	25
cis-1,3-Dichloropropene	19.5		µg/l		20.0		98	70-130	0.4	25
trans-1,3-Dichloropropene	19.8		µg/l		20.0		99	70-130	1	25
Ethylbenzene	20.3		µg/l		20.0		102	70-130	9	25
Hexachlorobutadiene	17.4		µg/l		20.0		87	58.8-136	16	50
2-Hexanone (MBK)	15.5		µg/l		20.0		78	70-130	2	25
Isopropylbenzene	19.0		µg/l		20.0		95	70-130	8	25
4-Isopropyltoluene	18.6		µg/l		20.0		93	70-130	11	25
Methyl tert-butyl ether	17.9		µg/l		20.0		89	70-130	2	25
4-Methyl-2-pentanone (MIBK)	15.0		µg/l		20.0		75	63.2-130	4	50
Methylene chloride	21.2		µg/l		20.0		106	70-130	3	25
Naphthalene	15.9		µg/l		20.0		80	70-130	9	25
n-Propylbenzene	18.1		µg/l		20.0		90	70-130	15	25
Styrene	19.6		µg/l		20.0		98	70-130	15	25
1,1,1,2-Tetrachloroethane	19.3		µg/l		20.0		97	70-130	7	25
1,1,2,2-Tetrachloroethane	18.5		µg/l		20.0		93	70-130	2	25
Tetrachloroethene	19.5		µg/l		20.0		97	70-130	7	25
Toluene	19.5		µg/l		20.0		98	70-130	9	25
1,2,3-Trichlorobenzene	19.0		µg/l		20.0		95	70-130	16	25
1,2,4-Trichlorobenzene	17.0		µg/l		20.0		85	70-130	11	25
1,1,1-Trichloroethane	19.9		µg/l		20.0		100	70-130	10	25
1,1,2-Trichloroethane	19.9		µg/l		20.0		100	70-130	0.1	25
Trichloroethene	18.8		µg/l		20.0		94	70-130	11	25
Trichlorofluoromethane (Freon 11)	23.6		µg/l		20.0		118	70-136	12	50
1,2,3-Trichloropropane	20.7		µg/l		20.0		103	70-130	2	25
1,2,4-Trimethylbenzene	19.3		µg/l		20.0		96	70-130	9	25
1,3,5-Trimethylbenzene	19.4		µg/l		20.0		97	70-130	8	25
Vinyl chloride	25.9		µg/l		20.0		130	70-130	15	25
m,p-Xylene	42.5		µg/l		40.0		106	70-130	9	25
o-Xylene	22.2		µg/l		20.0		111	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121226 - SW846 5030 Water MS										
LCS Dup (7121226-BSD1)										
Prepared & Analyzed: 18-Dec-07										
Tetrahydrofuran	15.7		µg/l		20.0		79	70-130	2	25
Ethyl ether	20.8		µg/l		20.0		104	70-130	3	50
Tert-amyl methyl ether	19.4		µg/l		20.0		97	70-130	3	25
Ethyl tert-butyl ether	20.6		µg/l		20.0		103	70-130	1	25
Di-isopropyl ether	20.9		µg/l		20.0		104	70-130	2	25
Tert-Butanol / butyl alcohol	142		µg/l		200		71	70-130	0.9	25
1,4-Dioxane	144		µg/l		200		72	42.2-144	3	25
trans-1,4-Dichloro-2-butene	17.4		µg/l		20.0		87	70-130	3	25
Ethanol	340		µg/l		400		85	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike (7121226-MS1) **Source: SA72356-01**										
Prepared & Analyzed: 18-Dec-07										
Benzene	21.5		µg/l		20.0	BRL	107	70-130		
Chlorobenzene	23.7		µg/l		20.0	BRL	119	70-130		
1,1-Dichloroethene	26.2	QM7	µg/l		20.0	BRL	131	70-130		
Toluene	22.7		µg/l		20.0	BRL	113	70-130		
Trichloroethene	75.0	QM7	µg/l		20.0	48.5	133	70-130		
Surrogate: 4-Bromofluorobenzene	*43.4*		µg/l		*50.0*		*87*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Matrix Spike Dup (7121226-MSD1) **Source: SA72356-01**										
Prepared & Analyzed: 18-Dec-07										
Benzene	20.9		µg/l		20.0	BRL	104	70-130	3	30
Chlorobenzene	23.9		µg/l		20.0	BRL	120	70-130	0.8	30
1,1-Dichloroethene	25.2		µg/l		20.0	BRL	126	70-130	4	30
Toluene	23.0		µg/l		20.0	BRL	115	70-130	1	30
Trichloroethene	72.0		µg/l		20.0	48.5	118	70-130	12	30
Surrogate: 4-Bromofluorobenzene	*44.7*		µg/l		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Batch 7121229 - SW846 5035A Soil (low level)										
Blank (7121229-BLK1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121229 - SW846 5035A Soil (low level)										
Blank (7121229-BLK1)										
Prepared & Analyzed: 18-Dec-07										
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121229 - SW846 5035A Soil (low level)										
Blank (7121229-BLK1)										
Prepared & Analyzed: 18-Dec-07										
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*53.7*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS (7121229-BS1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/kg wet		20.0		110	70-130		
Acetone	17.4		µg/kg wet		20.0		87	24.9-167		
Acrylonitrile	14.7		µg/kg wet		20.0		74	70-130		
Benzene	18.6		µg/kg wet		20.0		93	70-130		
Bromobenzene	23.8		µg/kg wet		20.0		119	70-130		
Bromochloromethane	20.7		µg/kg wet		20.0		104	70-130		
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130		
Bromoform	22.2		µg/kg wet		20.0		111	70-130		
Bromomethane	19.0		µg/kg wet		20.0		95	57.4-139		
2-Butanone (MEK)	16.9		µg/kg wet		20.0		85	46.9-141		
n-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130		
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
tert-Butylbenzene	22.7		µg/kg wet		20.0		113	70-130		
Carbon disulfide	17.2		µg/kg wet		20.0		86	70-130		
Carbon tetrachloride	19.9		µg/kg wet		20.0		99	70-130		
Chlorobenzene	22.3		µg/kg wet		20.0		112	70-130		
Chloroethane	18.8		µg/kg wet		20.0		94	60.5-131		
Chloroform	18.9		µg/kg wet		20.0		95	70-130		
Chloromethane	20.2		µg/kg wet		20.0		101	70-130		
2-Chlorotoluene	21.9		µg/kg wet		20.0		110	70-130		
4-Chlorotoluene	22.4		µg/kg wet		20.0		112	70-130		
1,2-Dibromo-3-chloropropane	15.5		µg/kg wet		20.0		78	70-130		
Dibromochloromethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dibromoethane (EDB)	19.6		µg/kg wet		20.0		98	70-130		
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	24.4		µg/kg wet		20.0		122	70-130		
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	23.4		µg/kg wet		20.0		117	47.2-175		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121229 - SW846 5035A Soil (low level)										
LCS (7121229-BS1)										
Prepared & Analyzed: 18-Dec-07										
1,1-Dichloroethane	18.4		µg/kg wet		20.0		92	70-130		
1,2-Dichloroethane	17.7		µg/kg wet		20.0		88	70-130		
1,1-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130		
cis-1,2-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130		
trans-1,2-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130		
1,3-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
cis-1,3-Dichloropropene	17.5		µg/kg wet		20.0		88	70-130		
trans-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
Ethylbenzene	21.3		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	20.2		µg/kg wet		20.0		101	62.4-142		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130		
4-Isopropyltoluene	20.5		µg/kg wet		20.0		102	70-130		
Methyl tert-butyl ether	16.3		µg/kg wet		20.0		82	70-130		
4-Methyl-2-pentanone (MIBK)	17.3		µg/kg wet		20.0		86	70-135		
Methylene chloride	18.5		µg/kg wet		20.0		92	70-130		
Naphthalene	18.3		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	21.5		µg/kg wet		20.0		108	70-130		
Styrene	21.9		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	17.6		µg/kg wet		20.0		88	70-130		
Tetrachloroethene	22.7		µg/kg wet		20.0		114	70-130		
Toluene	19.4		µg/kg wet		20.0		97	70-130		
1,2,3-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		92	70-130		
Trichloroethene	18.7		µg/kg wet		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	22.6		µg/kg wet		20.0		113	58.4-143		
1,2,3-Trichloropropane	21.3		µg/kg wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130		
Vinyl chloride	23.0		µg/kg wet		20.0		115	70-130		
m,p-Xylene	43.8		µg/kg wet		40.0		110	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	14.3		µg/kg wet		20.0		71	70-130		
Ethyl ether	16.9		µg/kg wet		20.0		85	70-130		
Tert-amyl methyl ether	15.0		µg/kg wet		20.0		75	70-130		
Ethyl tert-butyl ether	17.4		µg/kg wet		20.0		87	70-130		
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130		
Tert-Butanol / butyl alcohol	141		µg/kg wet		200		70	70-130		
1,4-Dioxane	171		µg/kg wet		200		85	54.5-152		
trans-1,4-Dichloro-2-butene	16.6		µg/kg wet		20.0		83	70-130		
Ethanol	272	QC2	µg/kg wet		400		68	70-130		
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121229 - SW846 5035A Soil (low level)										
LCS (7121229-BS1)										
Prepared & Analyzed: 18-Dec-07										
Surrogate: Dibromofluoromethane	*53.2*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS Dup (7121229-BSD1)										
Prepared & Analyzed: 18-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.3		µg/kg wet		20.0		112	70-130	2	25
Acetone	17.9		µg/kg wet		20.0		89	24.9-167	3	50
Acrylonitrile	15.8		µg/kg wet		20.0		79	70-130	7	25
Benzene	18.6		µg/kg wet		20.0		93	70-130	0.2	25
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130	0.9	25
Bromochloromethane	21.3		µg/kg wet		20.0		107	70-130	3	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	0.8	25
Bromoform	22.8		µg/kg wet		20.0		114	70-130	3	25
Bromomethane	18.8		µg/kg wet		20.0		94	57.4-139	1	50
2-Butanone (MEK)	17.9		µg/kg wet		20.0		90	46.9-141	6	50
n-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130	2	25
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130	1	25
tert-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Carbon disulfide	17.2		µg/kg wet		20.0		86	70-130	0.3	25
Carbon tetrachloride	19.4		µg/kg wet		20.0		97	70-130	2	25
Chlorobenzene	22.4		µg/kg wet		20.0		112	70-130	0.2	25
Chloroethane	18.5		µg/kg wet		20.0		93	60.5-131	1	50
Chloroform	18.7		µg/kg wet		20.0		94	70-130	1	25
Chloromethane	19.5		µg/kg wet		20.0		98	70-130	3	25
2-Chlorotoluene	22.1		µg/kg wet		20.0		110	70-130	0.6	25
4-Chlorotoluene	22.2		µg/kg wet		20.0		111	70-130	0.8	25
1,2-Dibromo-3-chloropropane	15.4		µg/kg wet		20.0		77	70-130	0.8	25
Dibromochloromethane	20.4		µg/kg wet		20.0		102	70-130	3	50
1,2-Dibromoethane (EDB)	19.5		µg/kg wet		20.0		98	70-130	0.3	25
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
1,3-Dichlorobenzene	24.7		µg/kg wet		20.0		124	70-130	1	25
1,4-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130	0.5	25
Dichlorodifluoromethane (Freon12)	22.2		µg/kg wet		20.0		111	47.2-175	5	50
1,1-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130	0.3	25
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	0.6	25
1,1-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	0.1	25
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	0.2	25
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	0.3	25
1,2-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	0.6	25
1,3-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130	0.4	25
2,2-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130	2	25
1,1-Dichloropropene	18.1		µg/kg wet		20.0		91	70-130	1	25
cis-1,3-Dichloropropene	17.5		µg/kg wet		20.0		88	70-130	0	25
trans-1,3-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130	2	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	0.5	25
Hexachlorobutadiene	19.8		µg/kg wet		20.0		99	62.4-142	2	50
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130	2	25
Isopropylbenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
4-Isopropyltoluene	20.1		µg/kg wet		20.0		101	70-130	2	25
Methyl tert-butyl ether	17.1		µg/kg wet		20.0		86	70-130	5	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121229 - SW846 5035A Soil (low level)										
LCS Dup (7121229-BSD1)										
Prepared & Analyzed: 18-Dec-07										
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	70-135	6	50
Methylene chloride	18.1		µg/kg wet		20.0		91	70-130	2	25
Naphthalene	18.5		µg/kg wet		20.0		92	70-130	1	25
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130	1	25
Styrene	21.8		µg/kg wet		20.0		109	70-130	0.4	25
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	2	25
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	7	25
Tetrachloroethene	22.2		µg/kg wet		20.0		111	70-130	2	25
Toluene	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2,3-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	0.9	25
1,2,4-Trichlorobenzene	21.7		µg/kg wet		20.0		108	70-130	3	25
1,1,1-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130	0.3	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		92	70-130	0.1	25
Trichloroethene	18.4		µg/kg wet		20.0		92	70-130	2	25
Trichlorofluoromethane (Freon 11)	22.3		µg/kg wet		20.0		111	58.4-143	1	50
1,2,3-Trichloropropane	22.3		µg/kg wet		20.0		111	70-130	4	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	0.8	25
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		108	70-130	2	25
Vinyl chloride	22.4		µg/kg wet		20.0		112	70-130	3	25
m,p-Xylene	43.9		µg/kg wet		40.0		110	70-130	0.2	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	1	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	10	25
Ethyl ether	18.3		µg/kg wet		20.0		91	70-130	8	50
Tert-amyl methyl ether	16.7		µg/kg wet		20.0		83	70-130	10	25
Ethyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130	1	25
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130	0.2	25
Tert-Butanol / butyl alcohol	156		µg/kg wet		200		78	70-130	10	25
1,4-Dioxane	166		µg/kg wet		200		83	54.5-152	3	25
trans-1,4-Dichloro-2-butene	17.0		µg/kg wet		20.0		85	70-130	2	25
Ethanol	246	QC2	µg/kg wet		400		62	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*52.8*		µg/kg wet		*50.0*		*106*	*70-130*		
Batch 7121349 - SW846 5035A Soil (low level)										
Blank (7121349-BLK1)										
Prepared & Analyzed: 19-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121349 - SW846 5035A Soil (low level)										
Blank (7121349-BLK1)										
Prepared & Analyzed: 19-Dec-07										
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121349 - SW846 5035A Soil (low level)										
Blank (7121349-BLK1)										
Prepared & Analyzed: 19-Dec-07										
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.8*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*54.8*		µg/kg wet		*50.0*		*110*	*70-130*		
LCS (7121349-BS1)										
Prepared & Analyzed: 19-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/kg wet		20.0		105	70-130		
Acetone	9.2		µg/kg wet		20.0		46	24.9-167		
Acrylonitrile	15.6		µg/kg wet		20.0		78	70-130		
Benzene	17.8		µg/kg wet		20.0		89	70-130		
Bromobenzene	23.2		µg/kg wet		20.0		116	70-130		
Bromochloromethane	20.7		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromoform	22.6		µg/kg wet		20.0		113	70-130		
Bromomethane	18.3		µg/kg wet		20.0		92	57.4-139		
2-Butanone (MEK)	15.1		µg/kg wet		20.0		75	46.9-141		
n-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130		
sec-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	16.5		µg/kg wet		20.0		82	70-130		
Carbon tetrachloride	19.2		µg/kg wet		20.0		96	70-130		
Chlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
Chloroethane	17.6		µg/kg wet		20.0		88	60.5-131		
Chloroform	18.0		µg/kg wet		20.0		90	70-130		
Chloromethane	18.6		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	21.4		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	21.3		µg/kg wet		20.0		107	70-130		
1,2-Dibromo-3-chloropropane	15.8		µg/kg wet		20.0		79	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	19.7		µg/kg wet		20.0		99	70-130		
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	23.5		µg/kg wet		20.0		118	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	20.6		µg/kg wet		20.0		103	47.2-175		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121349 - SW846 5035A Soil (low level)										
LCS (7121349-BS1)										
Prepared & Analyzed: 19-Dec-07										
1,1-Dichloroethane	17.7		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,3-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	16.6		µg/kg wet		20.0		83	70-130		
1,1-Dichloropropene	17.1		µg/kg wet		20.0		86	70-130		
cis-1,3-Dichloropropene	17.1		µg/kg wet		20.0		85	70-130		
trans-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	62.4-142		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	19.9		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	17.4		µg/kg wet		20.0		87	70-130		
4-Methyl-2-pentanone (MIBK)	20.0		µg/kg wet		20.0		100	70-135		
Methylene chloride	18.1		µg/kg wet		20.0		90	70-130		
Naphthalene	18.4		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Styrene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	18.9		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	22.0		µg/kg wet		20.0		110	70-130		
Toluene	18.7		µg/kg wet		20.0		94	70-130		
1,2,3-Trichlorobenzene	21.7		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	21.1		µg/kg wet		20.0		105	70-130		
1,1,1-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130		
Trichloroethene	17.5		µg/kg wet		20.0		88	70-130		
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet		20.0		106	58.4-143		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	21.2		µg/kg wet		20.0		106	70-130		
m,p-Xylene	41.8		µg/kg wet		40.0		105	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	16.1		µg/kg wet		20.0		81	70-130		
Ethyl ether	17.5		µg/kg wet		20.0		88	70-130		
Tert-amyl methyl ether	15.9		µg/kg wet		20.0		80	70-130		
Ethyl tert-butyl ether	17.5		µg/kg wet		20.0		88	70-130		
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	146		µg/kg wet		200		73	70-130		
1,4-Dioxane	168		µg/kg wet		200		84	54.5-152		
trans-1,4-Dichloro-2-butene	15.8		µg/kg wet		20.0		79	70-130		
Ethanol	350		µg/kg wet		400		88	70-130		
Surrogate: 4-Bromofluorobenzene	*52.7*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121349 - SW846 5035A Soil (low level)										
LCS (7121349-BS1)										
Prepared & Analyzed: 19-Dec-07										
Surrogate: Dibromofluoromethane	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS Dup (7121349-BSD1)										
Prepared & Analyzed: 19-Dec-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.9		µg/kg wet		20.0		105	70-130	0.6	25
Acetone	9.2		µg/kg wet		20.0		46	24.9-167	0.5	50
Acrylonitrile	14.9		µg/kg wet		20.0		75	70-130	5	25
Benzene	17.6		µg/kg wet		20.0		88	70-130	1	25
Bromobenzene	23.0		µg/kg wet		20.0		115	70-130	0.8	25
Bromochloromethane	20.3		µg/kg wet		20.0		101	70-130	2	25
Bromodichloromethane	18.9		µg/kg wet		20.0		94	70-130	0.6	25
Bromoform	21.5		µg/kg wet		20.0		108	70-130	5	25
Bromomethane	18.2		µg/kg wet		20.0		91	57.4-139	0.5	50
2-Butanone (MEK)	14.8		µg/kg wet		20.0		74	46.9-141	2	50
n-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	0.8	25
sec-Butylbenzene	21.1		µg/kg wet		20.0		105	70-130	0.9	25
tert-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130	2	25
Carbon disulfide	16.8		µg/kg wet		20.0		84	70-130	2	25
Carbon tetrachloride	18.8		µg/kg wet		20.0		94	70-130	2	25
Chlorobenzene	21.3		µg/kg wet		20.0		106	70-130	0.8	25
Chloroethane	17.6		µg/kg wet		20.0		88	60.5-131	0.2	50
Chloroform	17.8		µg/kg wet		20.0		89	70-130	0.7	25
Chloromethane	18.3		µg/kg wet		20.0		91	70-130	2	25
2-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	2	25
4-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	2	25
1,2-Dibromo-3-chloropropane	14.6		µg/kg wet		20.0		73	70-130	8	25
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130	0.3	50
1,2-Dibromoethane (EDB)	18.7		µg/kg wet		20.0		93	70-130	5	25
Dibromomethane	19.1		µg/kg wet		20.0		96	70-130	5	25
1,2-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,3-Dichlorobenzene	23.1		µg/kg wet		20.0		116	70-130	2	25
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	0.9	25
Dichlorodifluoromethane (Freon12)	19.7		µg/kg wet		20.0		98	47.2-175	4	50
1,1-Dichloroethane	17.7		µg/kg wet		20.0		88	70-130	0.1	25
1,2-Dichloroethane	17.1		µg/kg wet		20.0		86	70-130	4	25
1,1-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	0.9	25
cis-1,2-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130	2	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	0.6	25
1,2-Dichloropropane	16.9		µg/kg wet		20.0		84	70-130	0.9	25
1,3-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130	3	25
2,2-Dichloropropane	16.2		µg/kg wet		20.0		81	70-130	3	25
1,1-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130	0.6	25
cis-1,3-Dichloropropene	16.7		µg/kg wet		20.0		83	70-130	2	25
trans-1,3-Dichloropropene	16.6		µg/kg wet		20.0		83	70-130	4	25
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130	0.3	25
Hexachlorobutadiene	19.4		µg/kg wet		20.0		97	62.4-142	1	50
2-Hexanone (MBK)	15.0		µg/kg wet		20.0		75	70-130	8	25
Isopropylbenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130	2	25
Methyl tert-butyl ether	16.8		µg/kg wet		20.0		84	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121349 - SW846 5035A Soil (low level)										
LCS Dup (7121349-BSD1)										
Prepared & Analyzed: 19-Dec-07										
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		90	70-135	11	50
Methylene chloride	17.4		µg/kg wet		20.0		87	70-130	4	25
Naphthalene	17.0		µg/kg wet		20.0		85	70-130	8	25
n-Propylbenzene	20.3		µg/kg wet		20.0		102	70-130	1	25
Styrene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	0.3	25
1,1,2,2-Tetrachloroethane	18.0		µg/kg wet		20.0		90	70-130	5	25
Tetrachloroethene	21.7		µg/kg wet		20.0		108	70-130	1	25
Toluene	18.5		µg/kg wet		20.0		92	70-130	1	25
1,2,3-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
1,2,4-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,1-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	0.3	25
1,1,2-Trichloroethane	18.0		µg/kg wet		20.0		90	70-130	4	25
Trichloroethene	17.7		µg/kg wet		20.0		88	70-130	0.9	25
Trichlorofluoromethane (Freon 11)	20.9		µg/kg wet		20.0		105	58.4-143	0.9	50
1,2,3-Trichloropropane	20.3		µg/kg wet		20.0		101	70-130	7	25
1,2,4-Trimethylbenzene	20.5		µg/kg wet		20.0		103	70-130	3	25
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Vinyl chloride	20.7		µg/kg wet		20.0		104	70-130	2	25
m,p-Xylene	41.3		µg/kg wet		40.0		103	70-130	1	25
o-Xylene	20.7		µg/kg wet		20.0		104	70-130	0.7	25
Tetrahydrofuran	15.5		µg/kg wet		20.0		77	70-130	4	25
Ethyl ether	16.8		µg/kg wet		20.0		84	70-130	4	50
Tert-amyl methyl ether	16.0		µg/kg wet		20.0		80	70-130	0.3	25
Ethyl tert-butyl ether	16.7		µg/kg wet		20.0		83	70-130	5	25
Di-isopropyl ether	15.6		µg/kg wet		20.0		78	70-130	4	25
Tert-Butanol / butyl alcohol	142		µg/kg wet		200		71	70-130	2	25
1,4-Dioxane	178		µg/kg wet		200		89	54.5-152	6	25
trans-1,4-Dichloro-2-butene	14.6		µg/kg wet		20.0		73	70-130	8	25
Ethanol	357		µg/kg wet		400		89	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121200 - SW846 3510C										
Blank (7121200-BLK1)										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.50						
Butyl benzyl phthalate	BRL		µg/l	2.50						
4-Chloro-3-methylphenol	BRL		µg/l	2.50						
2-Chlorophenol	BRL		µg/l	2.50						
2,4-Dichlorophenol	BRL		µg/l	2.50						
Diethyl phthalate	BRL		µg/l	2.50						
Dimethyl phthalate	BRL		µg/l	2.50						
2,4-Dimethylphenol	BRL		µg/l	2.50						
Di-n-butyl phthalate	BRL		µg/l	2.50						
4,6-Dinitro-2-methylphenol	BRL		µg/l	2.50						
2,4-Dinitrophenol	BRL		µg/l	2.50						
Di-n-octyl phthalate	BRL		µg/l	2.50						
2-Methylphenol	BRL		µg/l	2.50						
3,4-Methylphenol	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	2.50						
4-Nitrophenol	BRL		µg/l	2.50						
Pentachlorophenol	BRL		µg/l	2.50						
Phenol	BRL		µg/l	2.50						
2,4,5-Trichlorophenol	BRL		µg/l	2.50						
2,4,6-Trichlorophenol	BRL		µg/l	2.50						
Surrogate: 2-Fluorobiphenyl	*25.6*		µg/l		*50.0*		*51*	*30-130*		
Surrogate: 2-Fluorophenol	*26.9*		µg/l		*50.0*		*54*	*15-110*		
Surrogate: Phenol-d5	*23.4*		µg/l		*50.0*		*47*	*15-110*		
Surrogate: Terphenyl-dl4	*29.5*		µg/l		*50.0*		*59*	*30-130*		
LCS (7121200-BS1)										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Bis(2-ethylhexyl)phthalate	48.5		µg/l	2.50	50.0		97	40-140		
Butyl benzyl phthalate	48.1		µg/l	2.50	50.0		96	40-140		
4-Chloro-3-methylphenol	46.0		µg/l	2.50	50.0		92	30-130		
2-Chlorophenol	39.6		µg/l	2.50	50.0		79	30-130		
2,4-Dichlorophenol	42.9		µg/l	2.50	50.0		86	30-130		
Diethyl phthalate	37.4		µg/l	2.50	50.0		75	40-140		
Dimethyl phthalate	38.5		µg/l	2.50	50.0		77	40-140		
2,4-Dimethylphenol	43.5		µg/l	2.50	50.0		87	30-130		
Di-n-butyl phthalate	46.9		µg/l	2.50	50.0		94	40-140		
4,6-Dinitro-2-methylphenol	46.1		µg/l	2.50	50.0		92	30-130		
2,4-Dinitrophenol	50.8		µg/l	2.50	50.0		102	30-130		
Di-n-octyl phthalate	47.9		µg/l	2.50	50.0		96	40-140		
2-Methylphenol	41.0		µg/l	2.50	50.0		82	30-130		
3,4-Methylphenol	40.8		µg/l	5.00	50.0		82	40-130		
2-Nitrophenol	49.1		µg/l	2.50	50.0		98	30-130		
4-Nitrophenol	49.2		µg/l	2.50	50.0		98	30-130		
Pentachlorophenol	59.2		µg/l	2.50	50.0		118	30-130		
Phenol	41.2		µg/l	2.50	50.0		82	30-130		
2,4,5-Trichlorophenol	43.7		µg/l	2.50	50.0		87	30-130		
2,4,6-Trichlorophenol	40.2		µg/l	2.50	50.0		80	30-130		
Surrogate: 2-Fluorobiphenyl	*30.8*		µg/l		*50.0*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*29.5*		µg/l		*50.0*		*59*	*15-110*		
Surrogate: Phenol-d5	*24.3*		µg/l		*50.0*		*49*	*15-110*		
Surrogate: Terphenyl-dl4	*33.6*		µg/l		*50.0*		*67*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121066 - SW846 3510C										
Blank (7121066-BLK1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	BRL		µg/l	0.200						
PCB 1221	BRL		µg/l	0.200						
PCB 1232	BRL		µg/l	0.200						
PCB 1242	BRL		µg/l	0.200						
PCB 1248	BRL		µg/l	0.200						
PCB 1254	BRL		µg/l	0.200						
PCB 1260	BRL		µg/l	0.200						
PCB 1262	BRL		µg/l	0.200						
PCB 1268	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.160*		µg/l		*0.200*		*80*	*30-150*		
LCS (7121066-BS1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	2.39		µg/l	0.200	2.50		96	40-140		
PCB 1260	2.51		µg/l	0.200	2.50		100	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
LCS Dup (7121066-BSD1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	2.38		µg/l	0.200	2.50		95	40-140	0.4	20
PCB 1260	2.46		µg/l	0.200	2.50		98	40-140	2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Matrix Spike (7121066-MS1) **Source: SA72271-02**										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	1.76		µg/l	0.222	2.78	BRL	63	40-140		
PCB 1260	1.81		µg/l	0.222	2.78	BRL	65	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0556*		µg/l		*0.111*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0778*		µg/l		*0.111*		*70*	*30-150*		
Matrix Spike Dup (7121066-MSD1) **Source: SA72271-02**										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	1.77		µg/l	0.211	2.63	BRL	67	40-140	6	50
PCB 1260	1.87		µg/l	0.211	2.63	BRL	71	40-140	9	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0737*		µg/l		*0.211*		*35*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.116*		µg/l		*0.211*		*55*	*30-150*		
Batch 7121135 - SW846 3550B										
Blank (7121135-BLK1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121135 - SW846 3550B										
LCS (7121135-BS1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	377		µg/kg wet	28.6	357		106	40-140		
PCB 1260	349		µg/kg wet	28.6	357		98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
LCS Dup (7121135-BSD1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	383		µg/kg wet	28.6	357		107	40-140	2	30
PCB 1260	341		µg/kg wet	28.6	357		96	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
Duplicate (7121135-DUP1) **Source: SA72274-01**										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	BRL		µg/kg dry	33.2		BRL				40
PCB 1221	BRL		µg/kg dry	33.2		BRL				40
PCB 1232	BRL		µg/kg dry	33.2		BRL				40
PCB 1242	BRL		µg/kg dry	33.2		BRL				40
PCB 1248	BRL		µg/kg dry	33.2		BRL				40
PCB 1254	BRL		µg/kg dry	33.2		BRL				40
PCB 1260	BRL		µg/kg dry	33.2		BRL				40
PCB 1262	BRL		µg/kg dry	33.2		BRL				40
PCB 1268	BRL		µg/kg dry	33.2		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.9*		µg/kg dry		*33.2*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg dry		*33.2*		*65*	*30-150*		
Matrix Spike (7121135-MS1) **Source: SA72274-01**										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	456		µg/kg dry	32.6	407	BRL	112	40-140		
PCB 1260	424		µg/kg dry	32.6	407	BRL	104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg dry		*32.6*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.5*		µg/kg dry		*32.6*		*60*	*30-150*		
Matrix Spike Dup (7121135-MSD1) **Source: SA72274-01**										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
PCB 1016	474		µg/kg dry	31.1	389	BRL	122	40-140	9	50
PCB 1260	460		µg/kg dry	31.1	389	BRL	118	40-140	13	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.3*		µg/kg dry		*31.1*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.7*		µg/kg dry		*31.1*		*105*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121060 - SW846 3545A										
Blank (7121060-BLK1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
C9-C18 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.4						
C19-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.4						
C11-C22 Aromatic Hydrocarbons	BRL		mg/kg wet	13.4						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL		mg/kg wet	13.4						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.4						
Unadjusted Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.4						
Naphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Acenaphthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Surrogate: 1-Chlorooctadecane	*2770*		µg/kg wet		*3330*		*83*	*40-140*		
Surrogate: Ortho-Terphenyl	*2610*		µg/kg wet		*3330*		*78*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2050*		µg/kg wet		*2670*		*77*	*40-140*		
LCS (7121060-BS1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
C9-C18 Aliphatic Hydrocarbons	24.4		mg/kg wet	13.4	40.0		61	40-140		
C19-C36 Aliphatic Hydrocarbons	42.2		mg/kg wet	13.4	53.3		79	40-140		
C11-C22 Aromatic Hydrocarbons	95.3		mg/kg wet	13.4	113		84	40-140		
Naphthalene	3590		µg/kg wet	66.5	6670		54	40-140		
2-Methylnaphthalene	4090		µg/kg wet	66.5	6670		61	40-140		
Acenaphthylene	4720		µg/kg wet	66.5	6670		71	40-140		
Acenaphthene	4720		µg/kg wet	66.5	6670		71	40-140		
Fluorene	5080		µg/kg wet	66.5	6670		76	40-140		
Phenanthrene	5240		µg/kg wet	66.5	6670		79	40-140		
Anthracene	5410		µg/kg wet	66.5	6670		81	40-140		
Fluoranthene	5370		µg/kg wet	66.5	6670		80	40-140		
Pyrene	5390		µg/kg wet	66.5	6670		81	40-140		
Benzo (a) anthracene	5570		µg/kg wet	66.5	6670		84	40-140		
Chrysene	5520		µg/kg wet	66.5	6670		83	40-140		
Benzo (b) fluoranthene	5870		µg/kg wet	66.5	6670		88	40-140		
Benzo (k) fluoranthene	6190		µg/kg wet	66.5	6670		93	40-140		
Benzo (a) pyrene	5870		µg/kg wet	66.5	6670		88	40-140		
Indeno (1,2,3-cd) pyrene	6790		µg/kg wet	66.5	6670		102	40-140		
Dibenzo (a,h) anthracene	6790		µg/kg wet	66.5	6670		102	40-140		
Benzo (g,h,i) perylene	6800		µg/kg wet	66.5	6670		102	40-140		
Naphthalene (aliphatic fraction)	0.00667		µg/kg wet		6670		0.0001	0-200		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121060 - SW846 3545A										
LCS (7121060-BS1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
2-Methylnaphthalene (aliphatic fraction)	0.00667		µg/kg wet		6670		0.0001	0-200		
Surrogate: 1-Chlorooctadecane	*2380*		µg/kg wet		*3330*		*71*	*40-140*		
Surrogate: Ortho-Terphenyl	*2810*		µg/kg wet		*3330*		*84*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2120*		µg/kg wet		*2670*		*80*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS (7121060-BS2)										
Prepared: 17-Dec-07 Analyzed: 19-Dec-07										
C9-C18 Aliphatic Hydrocarbons	22.1		mg/kg wet	13.4	40.0		55	40-140		
C19-C36 Aliphatic Hydrocarbons	36.1		mg/kg wet	13.4	53.3		68	40-140		
C11-C22 Aromatic Hydrocarbons	107		mg/kg wet	13.4	113		95	40-140		
Naphthalene	4430		µg/kg wet	66.5	6670		66	40-140		
2-Methylnaphthalene	4750		µg/kg wet	66.5	6670		71	40-140		
Acenaphthylene	5470		µg/kg wet	66.5	6670		82	40-140		
Acenaphthene	5350		µg/kg wet	66.5	6670		80	40-140		
Fluorene	5490		µg/kg wet	66.5	6670		82	40-140		
Phenanthrene	5440		µg/kg wet	66.5	6670		82	40-140		
Anthracene	5610		µg/kg wet	66.5	6670		84	40-140		
Fluoranthene	5440		µg/kg wet	66.5	6670		82	40-140		
Pyrene	5420		µg/kg wet	66.5	6670		81	40-140		
Benzo (a) anthracene	5850		µg/kg wet	66.5	6670		88	40-140		
Chrysene	5990		µg/kg wet	66.5	6670		90	40-140		
Benzo (b) fluoranthene	6880		µg/kg wet	66.5	6670		103	40-140		
Benzo (k) fluoranthene	6710		µg/kg wet	66.5	6670		101	40-140		
Benzo (a) pyrene	6740		µg/kg wet	66.5	6670		101	40-140		
Indeno (1,2,3-cd) pyrene	7270		µg/kg wet	66.5	6670		109	40-140		
Dibenzo (a,h) anthracene	7230		µg/kg wet	66.5	6670		108	40-140		
Benzo (g,h,i) perylene	7320		µg/kg wet	66.5	6670		110	40-140		
Naphthalene (aliphatic fraction)	0.00		µg/kg wet		6670			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00		µg/kg wet		6670			0-200		
Surrogate: 1-Chlorooctadecane	*2340*		µg/kg wet		*3330*		*70*	*40-140*		
Surrogate: Ortho-Terphenyl	*2810*		µg/kg wet		*3330*		*84*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2340*		µg/kg wet		*2670*		*88*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS Dup (7121060-BSD1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
C9-C18 Aliphatic Hydrocarbons	24.7		mg/kg wet	13.4	40.0		62	40-140	1	25
C19-C36 Aliphatic Hydrocarbons	42.5		mg/kg wet	13.4	53.3		80	40-140	0.8	25
C11-C22 Aromatic Hydrocarbons	102		mg/kg wet	13.4	113		90	40-140	7	25
Naphthalene	3760		µg/kg wet	66.5	6670		56	40-140	5	30
2-Methylnaphthalene	4350		µg/kg wet	66.5	6670		65	40-140	6	30
Acenaphthylene	4920		µg/kg wet	66.5	6670		74	40-140	4	30
Acenaphthene	4990		µg/kg wet	66.5	6670		75	40-140	6	30
Fluorene	5200		µg/kg wet	66.5	6670		78	40-140	2	30
Phenanthrene	5380		µg/kg wet	66.5	6670		81	40-140	3	30
Anthracene	5680		µg/kg wet	66.5	6670		85	40-140	5	30
Fluoranthene	5700		µg/kg wet	66.5	6670		86	40-140	6	30
Pyrene	5680		µg/kg wet	66.5	6670		85	40-140	5	30
Benzo (a) anthracene	6010		µg/kg wet	66.5	6670		90	40-140	8	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121060 - SW846 3545A										
LCS Dup (7121060-BSD1)										
Prepared: 17-Dec-07 Analyzed: 18-Dec-07										
Chrysene	6030		µg/kg wet	66.5	6670		90	40-140	9	30
Benzo (b) fluoranthene	6600		µg/kg wet	66.5	6670		99	40-140	12	30
Benzo (k) fluoranthene	6050		µg/kg wet	66.5	6670		91	40-140	2	30
Benzo (a) pyrene	6160		µg/kg wet	66.5	6670		92	40-140	5	30
Indeno (1,2,3-cd) pyrene	7100		µg/kg wet	66.5	6670		106	40-140	4	30
Dibenzo (a,h) anthracene	7160		µg/kg wet	66.5	6670		107	40-140	5	30
Benzo (g,h,i) perylene	7030		µg/kg wet	66.5	6670		105	40-140	3	30
Naphthalene (aliphatic fraction)	0.00667		µg/kg wet		6670		0.0001	0-200	0	200
2-Methylnaphthalene (aliphatic fraction)	0.00667		µg/kg wet		6670		0.0001	0-200	0	200
Surrogate: 1-Chlorooctadecane	*2430*		µg/kg wet		*3330*		*73*	*40-140*		
Surrogate: Ortho-Terphenyl	*2970*		µg/kg wet		*3330*		*89*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2290*		µg/kg wet		*2670*		*86*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Batch 7121064 - SW846 3510C										
Blank (7121064-BLK1)										
Prepared & Analyzed: 17-Dec-07										
C9-C18 Aliphatic Hydrocarbons	BRL		mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL		mg/l	0.2						
Total Petroleum Hydrocarbons	BRL		mg/l	0.2						
Unadjusted Total Petroleum Hydrocarbons	BRL		mg/l	0.2						
Naphthalene	BRL		µg/l	2.50						
2-Methylnaphthalene	BRL		µg/l	2.50						
Acenaphthylene	BRL		µg/l	2.50						
Acenaphthene	BRL		µg/l	2.50						
Fluorene	BRL		µg/l	2.50						
Phenanthrene	BRL		µg/l	2.50						
Anthracene	BRL		µg/l	2.50						
Fluoranthene	BRL		µg/l	2.50						
Pyrene	BRL		µg/l	2.50						
Benzo (a) anthracene	BRL		µg/l	2.50						
Chrysene	BRL		µg/l	2.50						
Benzo (b) fluoranthene	BRL		µg/l	2.50						
Benzo (k) fluoranthene	BRL		µg/l	2.50						
Benzo (a) pyrene	BRL		µg/l	2.50						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	2.50						
Dibenzo (a,h) anthracene	BRL		µg/l	2.50						
Benzo (g,h,i) perylene	BRL		µg/l	2.50						
Surrogate: 1-Chlorooctadecane	*44.8*		µg/l		*50.0*		*90*	*40-140*		
Surrogate: Ortho-Terphenyl	*34.1*		µg/l		*50.0*		*68*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*26.9*		µg/l		*40.0*		*67*	*40-140*		
LCS (7121064-BS1)										
Prepared & Analyzed: 17-Dec-07										
C9-C18 Aliphatic Hydrocarbons	0.277		mg/l	0.2	0.600		46	40-140		
C19-C36 Aliphatic Hydrocarbons	0.662		mg/l	0.2	0.800		83	40-140		
C11-C22 Aromatic Hydrocarbons	1.66		mg/l	0.2	1.70		98	40-140		
Naphthalene	50.3		µg/l	2.50	100		50	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121064 - SW846 3510C										
LCS (7121064-BS1)										
Prepared & Analyzed: 17-Dec-07										
2-Methylnaphthalene	57.4		µg/l	2.50	100		57	40-140		
Acenaphthylene	68.7		µg/l	2.50	100		69	40-140		
Acenaphthene	71.0		µg/l	2.50	100		71	40-140		
Fluorene	76.8		µg/l	2.50	100		77	40-140		
Phenanthrene	83.5		µg/l	2.50	100		84	40-140		
Anthracene	83.6		µg/l	2.50	100		84	40-140		
Fluoranthene	89.1		µg/l	2.50	100		89	40-140		
Pyrene	91.0		µg/l	2.50	100		91	40-140		
Benzo (a) anthracene	105		µg/l	2.50	100		105	40-140		
Chrysene	98.7		µg/l	2.50	100		99	40-140		
Benzo (b) fluoranthene	85.5		µg/l	2.50	100		86	40-140		
Benzo (k) fluoranthene	82.3		µg/l	2.50	100		82	40-140		
Benzo (a) pyrene	107		µg/l	2.50	100		107	40-140		
Indeno (1,2,3-cd) pyrene	111		µg/l	2.50	100		111	40-140		
Dibenzo (a,h) anthracene	110		µg/l	2.50	100		110	40-140		
Benzo (g,h,i) perylene	102		µg/l	2.50	100		102	40-140		
Naphthalene (aliphatic fraction)	0.000100		µg/l		100		0.0001	0-200		
2-Methylnaphthalene (aliphatic fraction)	0.000100		µg/l		100		0.0001	0-200		
Surrogate: 1-Chlorooctadecane	*40.7*		µg/l		*50.0*		*81*	*40-140*		
Surrogate: Ortho-Terphenyl	*39.8*		µg/l		*50.0*		*80*	*40-140*		
Surrogate: 2-Bromonaphthalene	*16.7*		µg/l		*40.0*		*42*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*29.8*		µg/l		*40.0*		*74*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS (7121064-BS2)										
Prepared & Analyzed: 17-Dec-07										
C9-C18 Aliphatic Hydrocarbons	0.297		mg/l	0.2	0.600		50	40-140		
C19-C36 Aliphatic Hydrocarbons	0.574		mg/l	0.2	0.800		72	40-140		
C11-C22 Aromatic Hydrocarbons	1.42		mg/l	0.2	1.70		84	40-140		
Naphthalene	43.2		µg/l	2.50	100		43	40-140		
2-Methylnaphthalene	44.9		µg/l	2.50	100		45	40-140		
Acenaphthylene	54.2		µg/l	2.50	100		54	40-140		
Acenaphthene	54.2		µg/l	2.50	100		54	40-140		
Fluorene	59.9		µg/l	2.50	100		60	40-140		
Phenanthrene	69.6		µg/l	2.50	100		70	40-140		
Anthracene	71.3		µg/l	2.50	100		71	40-140		
Fluoranthene	77.6		µg/l	2.50	100		78	40-140		
Pyrene	77.8		µg/l	2.50	100		78	40-140		
Benzo (a) anthracene	103		µg/l	2.50	100		103	40-140		
Chrysene	85.6		µg/l	2.50	100		86	40-140		
Benzo (b) fluoranthene	92.6		µg/l	2.50	100		93	40-140		
Benzo (k) fluoranthene	98.6		µg/l	2.50	100		99	40-140		
Benzo (a) pyrene	95.2		µg/l	2.50	100		95	40-140		
Indeno (1,2,3-cd) pyrene	98.8		µg/l	2.50	100		99	40-140		
Dibenzo (a,h) anthracene	98.4		µg/l	2.50	100		98	40-140		
Benzo (g,h,i) perylene	89.6		µg/l	2.50	100		90	40-140		
Naphthalene (aliphatic fraction)	0.00		µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00		µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*32.0*		µg/l		*50.0*		*64*	*40-140*		
Surrogate: Ortho-Terphenyl	*34.6*		µg/l		*50.0*		*69*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121064 - SW846 3510C										
LCS (7121064-BS2)										
Prepared & Analyzed: 17-Dec-07										
Surrogate: 2-Fluorobiphenyl	*24.3*		µg/l		*40.0*		*61*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS Dup (7121064-BSD1)										
Prepared & Analyzed: 17-Dec-07										
C9-C18 Aliphatic Hydrocarbons	0.290		mg/l	0.2	0.600		48	40-140	5	25
C19-C36 Aliphatic Hydrocarbons	0.670		mg/l	0.2	0.800		84	40-140	1	25
C11-C22 Aromatic Hydrocarbons	1.79		mg/l	0.2	1.70		105	40-140	8	25
Naphthalene	50.1		µg/l	2.50	100		50	40-140	0.4	20
2-Methylnaphthalene	57.0		µg/l	2.50	100		57	40-140	0.6	20
Acenaphthylene	68.7		µg/l	2.50	100		69	40-140	0	20
Acenaphthene	71.9		µg/l	2.50	100		72	40-140	1	20
Fluorene	75.2		µg/l	2.50	100		75	40-140	2	20
Phenanthrene	86.4		µg/l	2.50	100		86	40-140	3	20
Anthracene	87.0		µg/l	2.50	100		87	40-140	4	20
Fluoranthene	94.2		µg/l	2.50	100		94	40-140	6	20
Pyrene	96.1		µg/l	2.50	100		96	40-140	6	20
Benzo (a) anthracene	121		µg/l	2.50	100		121	40-140	14	20
Chrysene	108		µg/l	2.50	100		108	40-140	9	20
Benzo (b) fluoranthene	110	QR2	µg/l	2.50	100		110	40-140	25	20
Benzo (k) fluoranthene	118	QR2	µg/l	2.50	100		118	40-140	35	20
Benzo (a) pyrene	117		µg/l	2.50	100		117	40-140	9	20
Indeno (1,2,3-cd) pyrene	118		µg/l	2.50	100		118	40-140	6	20
Dibenzo (a,h) anthracene	118		µg/l	2.50	100		118	40-140	7	20
Benzo (g,h,i) perylene	107		µg/l	2.50	100		107	40-140	5	20
Naphthalene (aliphatic fraction)	0.000100		µg/l		100		0.0001	0-200	0	200
2-Methylnaphthalene (aliphatic fraction)	0.000100		µg/l		100		0.0001	0-200	0	200
Surrogate: 1-Chlorooctadecane	*41.1*		µg/l		*50.0*		*82*	*40-140*		
Surrogate: Ortho-Terphenyl	*40.4*		µg/l		*50.0*		*81*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*30.0*		µg/l		*40.0*		*75*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121102 - SW846 3050B										
Blank (7121102-BLK1)										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Antimony	BRL		mg/kg wet	2.95						
Selenium	BRL		mg/kg wet	1.48						
Zinc	BRL		mg/kg wet	0.983						
Lead	BRL		mg/kg wet	1.48						
Thallium	BRL		mg/kg wet	2.95						
Nickel	BRL		mg/kg wet	0.983						
Copper	BRL		mg/kg wet	0.983						
Arsenic	BRL		mg/kg wet	1.48						
Beryllium	BRL		mg/kg wet	0.492						
Chromium	BRL		mg/kg wet	0.983						
Cadmium	BRL		mg/kg wet	0.492						
Silver	BRL		mg/kg wet	1.48						
Duplicate (7121102-DUP1) **Source: SA72269-04**										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Thallium	BRL		mg/kg dry	3.04		BRL				20
Selenium	BRL		mg/kg dry	1.52		BRL				20
Nickel	14.4		mg/kg dry	1.01		13.8			4	20
Zinc	31.0	QR9	mg/kg dry	1.01		39.3			24	20
Antimony	0.567	J	mg/kg dry	3.04		0.489			15	20
Lead	4.94		mg/kg dry	1.52		4.71			5	20
Chromium	17.0		mg/kg dry	1.01		16.2			5	20
Cadmium	0.0658	J	mg/kg dry	0.506		0.0572			14	20
Beryllium	0.420	J	mg/kg dry	0.506		0.395			6	20
Arsenic	3.69		mg/kg dry	1.52		3.78			2	20
Copper	18.8		mg/kg dry	1.01		19.6			4	20
Silver	BRL		mg/kg dry	1.52		BRL				20
Matrix Spike (7121102-MS1) **Source: SA72315-02**										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Selenium	106		mg/kg dry	1.34	111	1.78	93	75-125		
Antimony	83.6	QM8	mg/kg dry	2.67	111	1.91	73	75-125		
Lead	211	QM7	mg/kg dry	1.34	111	180	28	75-125		
Thallium	108		mg/kg dry	2.67	111	BRL	97	75-125		
Zinc	391	QM7	mg/kg dry	0.891	111	321	63	75-125		
Nickel	334	QM7	mg/kg dry	0.891	111	610	-248	75-125		
Beryllium	100		mg/kg dry	0.446	111	0.315	90	75-125		
Cadmium	101		mg/kg dry	0.446	111	0.155	91	75-125		
Copper	258		mg/kg dry	0.891	111	136	110	75-125		
Chromium	177		mg/kg dry	0.891	111	62.9	102	75-125		
Arsenic	111		mg/kg dry	1.34	111	3.18	97	75-125		
Silver	117		mg/kg dry	1.34	111	1.06	104	75-125		
Matrix Spike Dup (7121102-MSD1) **Source: SA72315-02**										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Antimony	96.4	QM8	mg/kg dry	3.07	128	1.91	74	75-125	14	35
Selenium	118		mg/kg dry	1.53	128	1.78	91	75-125	11	35
Thallium	125		mg/kg dry	3.07	128	BRL	98	75-125	15	35
Zinc	856	QM7, QR9	mg/kg dry	1.02	128	321	418	75-125	75	35
Nickel	430	QM7	mg/kg dry	1.02	128	610	-141	75-125	25	35
Lead	183	QM7	mg/kg dry	1.53	128	180	2	75-125	14	35

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121102 - SW846 3050B										
Matrix Spike Dup (7121102-MSD1) Source: SA72315-02										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Copper	314	QM7	mg/kg dry	1.02	128	136	139	75-125	19	35
Silver	133		mg/kg dry	1.53	128	1.06	103	75-125	13	35
Arsenic	124		mg/kg dry	1.53	128	3.18	94	75-125	11	35
Beryllium	113		mg/kg dry	0.511	128	0.315	88	75-125	12	35
Cadmium	120		mg/kg dry	0.511	128	0.155	93	75-125	17	35
Chromium	229	QM8	mg/kg dry	1.02	128	62.9	130	75-125	26	35
Post Spike (7121102-PS1) Source: SA72315-02										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Antimony	123		mg/kg dry	2.92	122	1.91	100	80-120		
Selenium	116		mg/kg dry	1.46	122	1.78	94	80-120		
Thallium	125		mg/kg dry	2.92	122	BRL	103	80-120		
Cadmium	118		mg/kg dry	0.487	122	0.155	97	80-120		
Beryllium	115		mg/kg dry	0.487	122	0.315	94	80-120		
Arsenic	124		mg/kg dry	1.46	122	3.18	100	80-120		
Silver	131		mg/kg dry	1.46	122	1.06	106	80-120		
Chromium	199		mg/kg dry	0.974	122	62.9	112	80-120		
Reference (7121102-SRM1)										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Antimony	30.8		mg/kg wet	3.00	56.9		54	0-210.6		
Lead	55.2		mg/kg wet	1.50	60.4		91	78.4-120.1		
Nickel	48.1		mg/kg wet	1.00	51.3		94	79.4-120.6		
Zinc	52.8		mg/kg wet	1.00	58.9		90	79.1-121.4		
Selenium	62.2		mg/kg wet	1.50	69.5		90	77.5-122.5		
Thallium	80.8		mg/kg wet	3.00	85.6		94	77.6-122.4		
Copper	43.2		mg/kg wet	1.00	41.8		103	78.2-121.7		
Silver	47.0		mg/kg wet	1.50	48.7		97	66.3-133.3		
Arsenic	71.0		mg/kg wet	1.50	76.0		93	76.8-123.2		
Beryllium	46.2		mg/kg wet	0.500	51.3		90	82.1-118.6		
Cadmium	44.7		mg/kg wet	0.500	48.0		93	80.1-119.6		
Chromium	58.7		mg/kg wet	1.00	60.4		97	80.5-119.2		
Reference (7121102-SRM2)										
Prepared: 18-Dec-07 Analyzed: 20-Dec-07										
Lead	54.2		mg/kg wet	1.50	61.6		88	78.4-120.1		
Zinc	53.7		mg/kg wet	1.00	60.1		89	79.1-121.4		
Antimony	27.9		mg/kg wet	3.00	58.0		48	0-210.6		
Thallium	84.5		mg/kg wet	3.00	87.3		97	77.6-122.4		
Selenium	60.2		mg/kg wet	1.50	70.9		85	77.5-122.5		
Nickel	46.8		mg/kg wet	1.00	52.4		89	79.4-120.6		
Cadmium	45.5		mg/kg wet	0.500	48.9		93	80.1-119.6		
Silver	46.6		mg/kg wet	1.50	49.7		94	66.3-133.3		
Copper	42.8		mg/kg wet	1.00	42.6		100	78.2-121.7		
Chromium	60.4		mg/kg wet	1.00	61.6		98	80.5-119.2		
Arsenic	69.3		mg/kg wet	1.50	77.5		89	76.8-123.2		
Beryllium	45.6		mg/kg wet	0.500	52.4		87	82.1-118.6		
Batch 7121104 - EPA200/SW7000 Series										
Blank (7121104-BLK1)										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121104 - EPA200/SW7000 Series										
Blank (7121104-BLK1)										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	BRL		mg/kg wet	0.0299						
Duplicate (7121104-DUP1) **Source: SA72269-04**										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	BRL		mg/kg dry	0.0328		BRL				20
Matrix Spike (7121104-MS1) **Source: SA72315-04**										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	2.96	QM4X	mg/kg dry	0.0321	0.446	1.90	238	75-125		
Matrix Spike Dup (7121104-MSD1) **Source: SA72315-04**										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	2.80	QM4X	mg/kg dry	0.0324	0.450	1.90	202	75-125	5	35
Post Spike (7121104-PS1) **Source: SA72315-04**										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	6.44	QM4X	mg/kg dry	0.0323	0.449	1.90	1010	85-115		
Reference (7121104-SRM1)										
Prepared: 18-Dec-07 Analyzed: 19-Dec-07										
Mercury	1.42		mg/kg wet	0.0300	1.49		95	66-132.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7121264 - General Preparation										
Duplicate (7121264-DUP1) **Source: SA72245-04**										
Prepared & Analyzed: 18-Dec-07										
% Solids	68.8		%			75.9			10	20

Analyte	Average RF	CCRF	% D	Limit
Batch S700769				
Calibration Check (S700769-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.607582E+1′	2.16808E+08	-14.5	25.00
C19-C36 Aliphatic Hydrocarbons	2.824724E+1′	2.046228E+0[illegible]	13.1	25.00
C11-C22 Aromatic Hydrocarbons	17574	19.06066	8.7	25.00
Naphthalene	9.772333	9.822334	0.5	20.00
2-Methylnaphthalene	5.786464	5.667321	-2.1	20.00
Acenaphthylene	8.200031	8.152544	-0.6	20.00
Acenaphthene	5.459188	5.314904	-2.6	20.00
Fluorene	5.670328	5.634409	-0.6	20.00
Phenanthrene	6.94317	6.896654	-0.7	20.00
Anthracene	7.150486	6.973577	-2.5	20.00
Fluoranthene	6.759348	6.85341	1.4	20.00
Pyrene	7.13937	7.298123	2.2	20.00
Benzo (a) anthracene	5.243878	6.229102	18.8	20.00
Chrysene	6.90198	7.255744	5.1	20.00
Benzo (b) fluoranthene	5.692954	6.303885	10.7	20.00
Benzo (k) fluoranthene	8.01467	9.414547	17.5	20.00
Benzo (a) pyrene	6.498559	7.666407	18.0	20.00
Indeno (1,2,3-cd) pyrene	8.501947	9.619868	13.1	20.00
Dibenzo (a,h) anthracene	7.028087	8.011243	14.0	20.00
Benzo (g,h,i) perylene	7.964797	8.356491	4.9	20.00
5-alpha-Androstane	1	1	0.0	
5-alpha-Androstane	6160.233	1	-100	

Analyte	Average RF	CCRF	% D	Limit
Batch S700818				
Calibration Check (S700818-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.115921E+1	1.248634E+0	-6.5	25.00
C19-C36 Aliphatic Hydrocarbons	1.832401E+1	3.940751E+0	-21.4	25.00
C11-C22 Aromatic Hydrocarbons	15280.94	15.0934	6.4	25.00
Naphthalene	6.217333	6.434001	3.5	20.00
2-Methylnaphthalene	4.043761	4.126076	2.0	20.00
Acenaphthylene	5.943642	6.310895	6.2	20.00
Acenaphthene	3.885325	4.083816	5.1	20.00
Fluorene	4.568016	4.803793	5.2	20.00
Phenanthrene	6.211913	6.317615	1.7	20.00
Anthracene	6.118963	6.338616	3.6	20.00
Fluoranthene	6.313196	6.406285	1.5	20.00
Pyrene	6.493861	6.619147	1.9	20.00
Benzo (a) anthracene	5.229533	5.35429	2.4	20.00
Chrysene	5.330208	5.696061	6.9	20.00
Benzo (b) fluoranthene	5.257497	6.065613	15.4	20.00
Benzo (k) fluoranthene	4.994278	5.421855	8.6	20.00
Benzo (a) pyrene	4.778066	5.294957	10.8	20.00
Indeno (1,2,3-cd) pyrene	5.287587	6.270996	18.6	20.00
Dibenzo (a,h) anthracene	4.472638	5.252084	17.4	20.00
Benzo (g,h,i) perylene	4.592007	5.429116	18.2	20.00
5-alpha-Androstane	2289510	1	-100	
5-alpha-Androstane	2289.51	1	-100	

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch S700833				
Calibration Check (S700833-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.115921E+1	1.273486E+0	-4.2	25.00
C19-C36 Aliphatic Hydrocarbons	1.832401E+1	9.278671E+0	-17.2	25.00
C11-C22 Aromatic Hydrocarbons	15280.94	13.21767	-9.9	25.00
Naphthalene	6.217333	5.589757	-10.1	20.00
2-Methylnaphthalene	4.043761	3.653144	-9.7	20.00
Acenaphthylene	5.943642	5.389882	-9.3	20.00
Acenaphthene	3.885325	3.379355	-13.0	20.00
Fluorene	4.568016	3.958363	-13.3	20.00
Phenanthrene	6.211913	5.070867	-18.4	20.00
Anthracene	6.118963	5.127715	-16.2	20.00
Fluoranthene	6.313196	5.300589	-16.0	20.00
Pyrene	6.493861	5.385288	-17.1	20.00
Benzo (a) anthracene	5.229533	4.841131	-7.4	20.00
Chrysene	5.330208	4.780949	-10.3	20.00
Benzo (b) fluoranthene	5.257497	5.03064	-4.3	20.00
Benzo (k) fluoranthene	4.994278	5.647656	13.1	20.00
Benzo (a) pyrene	4.778066	5.14144	7.6	20.00
Indeno (1,2,3-cd) pyrene	5.287587	6.22217	17.7	20.00
Dibenzo (a,h) anthracene	4.472638	5.356468	19.8	20.00
Benzo (g,h,i) perylene	4.592007	5.369184	16.9	20.00
5-alpha-Androstane	2289510	1	-100	
5-alpha-Androstane	2289.51	1	-100	

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch S700868				
Calibration Check (S700868-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.115921E+1	.365972E+0	4.5	25.00
C19-C36 Aliphatic Hydrocarbons	.832401E+1	.046491E+0	-2.7	25.00
C11-C22 Aromatic Hydrocarbons	15280.94	14.27127	-0.6	25.00
Naphthalene	6.217333	6.091677	-2.0	20.00
2-Methylnaphthalene	4.043761	3.970602	-1.8	20.00
Acenaphthylene	5.943642	5.854343	-1.5	20.00
Acenaphthene	3.885325	3.83642	-1.3	20.00
Fluorene	4.568016	4.495916	-1.6	20.00
Phenanthrene	6.211913	6.095351	-1.9	20.00
Anthracene	6.118963	5.823757	-4.8	20.00
Fluoranthene	6.313196	6.087225	-3.6	20.00
Pyrene	6.493861	6.206314	-4.4	20.00
Benzo (a) anthracene	5.229533	4.980033	-4.8	20.00
Chrysene	5.330208	4.806236	-9.8	20.00
Benzo (b) fluoranthene	5.257497	4.707142	-10.5	20.00
Benzo (k) fluoranthene	4.994278	4.871303	-2.5	20.00
Benzo (a) pyrene	4.778066	4.239331	-11.3	20.00
Indeno (1,2,3-cd) pyrene	5.287587	4.772011	-9.8	20.00
Dibenzo (a,h) anthracene	4.472638	4.110177	-8.1	20.00
Benzo (g,h,i) perylene	4.592007	3.974714	-13.4	20.00
5-alpha-Androstane	2289510	1	-100	
5-alpha-Androstane	2289.51	1	-100	

Analyte	Average RF	CCRF	% D	Limit
Batch S700868				
Calibration Check (S700868-CCV2)				
C9-C18 Aliphatic Hydrocarbons	2.115921E+1	.396531E+0	7.5	25.00
C19-C36 Aliphatic Hydrocarbons	.832401E+1	.059783E+0	-1.1	25.00
C11-C22 Aromatic Hydrocarbons	15280.94	13.59622	-6.4	25.00
Naphthalene	6.217333	5.980478	-3.8	20.00
2-Methylnaphthalene	4.043761	3.955166	-2.2	20.00
Acenaphthylene	5.943642	5.910777	-0.6	20.00
Acenaphthene	3.885325	3.762439	-3.2	20.00
Fluorene	4.568016	4.607268	0.9	20.00
Phenanthrene	6.211913	6.202684	-0.1	20.00
Anthracene	6.118963	6.020401	-1.6	20.00
Fluoranthene	6.313196	6.118365	-3.1	20.00
Pyrene	6.493861	6.184227	-4.8	20.00
Benzo (a) anthracene	5.229533	4.700654	-10.1	20.00
Chrysene	5.330208	4.827196	-9.4	20.00
Benzo (b) fluoranthene	5.257497	4.392279	-16.5	20.00
Benzo (k) fluoranthene	4.994278	4.68117	-6.3	20.00
Benzo (a) pyrene	4.778066	4.146441	-13.2	20.00
Indeno (1,2,3-cd) pyrene	5.287587	4.659593	-11.9	20.00
Dibenzo (a,h) anthracene	4.472638	3.979414	-11.0	20.00
Benzo (g,h,i) perylene	4.592007	4.165952	-9.3	20.00
5-alpha-Androstane	2289510	1	-100	
5-alpha-Androstane	2289.51	1	-100	

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit

Volatile Organic Compounds - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch S700783				
Calibration Check (S700783-CCV1)				
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.2296279	0.2155652	-6.1	30.00
Acetone	2.017629E-02	1.446409E-02	-20.0	30.00
Acrylonitrile	5.843536E-02	4.337969E-02	-25.8	30.00
Benzene	1.155484	1.023363	-11.4	30.00
Bromobenzene	0.7266108	0.8276195	13.9	30.00
Bromochloromethane	0.1228125	0.1214449	-1.1	30.00
Bromodichloromethane	0.3166452	0.2940832	-7.1	30.00
Bromoform	0.3340694	0.346931	3.8	30.00
Bromomethane	0.1911226	0.1893475	-0.9	30.00
2-Butanone (MEK)	5.448413E-02	0.0447129	-17.9	30.00
n-Butylbenzene	2.828463	2.654864	-6.1	30.00
sec-Butylbenzene	3.559702	3.762931	5.7	30.00
tert-Butylbenzene	2.37877	2.514839	5.7	30.00
Carbon disulfide	0.9154045	0.7987636	-12.7	30.00
Carbon tetrachloride	0.3473065	0.3247062	-6.5	30.00
Chlorobenzene	1.919754	2.022946	5.4	30.00
Chloroethane	0.1856136	0.1705568	-8.1	30.00
Chloroform	0.4640461	0.4155564	-10.4	20.00
Chloromethane	0.2618136	0.2327807	-11.1	30.00
2-Chlorotoluene	2.03257	2.125787	4.6	30.00
4-Chlorotoluene	2.13748	2.291798	7.2	30.00
1,2-Dibromo-3-chloropropane	9.550254E-02	7.102346E-02	-25.6	30.00
Dibromochloromethane	0.2216459	0.2155527	-2.7	30.00
1,2-Dibromoethane (EDB)	0.1832565	0.1750564	-4.5	30.00
Dibromomethane	0.1266018	0.1132664	-10.5	30.00
1,2-Dichlorobenzene	1.41983	1.418362	-0.1	30.00
1,3-Dichlorobenzene	1.398122	1.605254	14.8	30.00
1,4-Dichlorobenzene	1.564386	1.543987	-1.3	30.00
Dichlorodifluoromethane (Freon12)	0.1787923	0.1720881	-3.7	30.00
1,1-Dichloroethane	0.4591233	0.4034286	-12.1	30.00
1,2-Dichloroethane	0.2470241	0.2126819	-13.9	30.00
1,1-Dichloroethene	0.2583212	0.2305796	-10.7	20.00
cis-1,2-Dichloroethene	0.2908928	0.2677177	-8.0	30.00
trans-1,2-Dichloroethene	0.2772392	0.26169	-5.6	30.00
1,2-Dichloropropane	0.2582534	0.2206245	-14.6	20.00
1,3-Dichloropropane	0.3152712	0.2893981	-8.2	30.00
2,2-Dichloropropane	0.3905989	0.3205745	-17.9	30.00
1,1-Dichloropropene	0.3720061	0.3303787	-11.2	30.00
cis-1,3-Dichloropropene	0.4022376	0.3544551	-11.9	30.00
trans-1,3-Dichloropropene	0.3254867	0.2829868	-13.1	30.00
Ethylbenzene	3.447166	3.489311	1.2	20.00
Hexachlorobutadiene	0.5751871	0.6158277	7.1	30.00
2-Hexanone (MBK)	8.672891E-02	0.0669593	-22.8	30.00
Isopropylbenzene	3.094578	3.192983	3.2	30.00
4-Isopropyltoluene	3.179921	3.008676	-5.4	30.00
Methyl tert-butyl ether	0.6097144	0.4960994	-18.6	30.00
4-Methyl-2-pentanone (MIBK)	2.359756E-02	2.213635E-02	-6.2	30.00

Analyte	Average RF	CCRF	% D		Limit
Batch S700783					
Calibration Check (S700783-CCV1)					
Methylene chloride	0.2752425	0.2488327	-9.6		30.00
Naphthalene	1.641055	1.744633	-13.6		30.00
n-Propylbenzene	3.747903	3.938992	5.1		30.00
Styrene	2.069973	2.179509	5.3		30.00
1,1,1,2-Tetrachloroethane	0.6384404	0.6632755	3.9		30.00
1,1,2,2-Tetrachloroethane	0.5811305	0.5205492	-10.4		30.00
Tetrachloroethene	0.2311733	0.2472196	6.9		30.00
Toluene	0.7538499	0.7029359	-6.8		20.00
1,2,3-Trichlorobenzene	0.8651456	0.945719	9.3		30.00
1,2,4-Trichlorobenzene	0.9252403	1.041304	12.5		30.00
1,1,1-Trichloroethane	0.3974912	0.3647183	-8.2		30.00
1,1,2-Trichloroethane	0.1621322	0.1447635	-10.7		30.00
Trichloroethene	0.2994918	0.2677806	-10.6		30.00
Trichlorofluoromethane (Freon 11)	0.3415461	0.3491851	2.2		30.00
1,2,3-Trichloropropane	0.3570462	0.3259322	-8.7		30.00
1,2,4-Trimethylbenzene	2.702129	2.810886	4.0		30.00
1,3,5-Trimethylbenzene	2.698005	2.831176	4.9		30.00
Vinyl chloride	0.2532311	0.2426634	-4.2		20.00
m,p-Xylene	1.330358	1.372621	3.2		30.00
o-Xylene	1.281383	1.308506	2.1		30.00
Tetrahydrofuran	4.054884E-02	2.981489E-02	-26.5		30.00
Ethyl ether	0.1358667	0.1161875	-14.5		30.00
Tert-amyl methyl ether	1.268346E-02	9.540011E-03	-24.8		30.00
Ethyl tert-butyl ether	0.7037243	0.5832487	-17.1		30.00
Di-isopropyl ether	0.7618583	0.6143968	-19.4		30.00
Tert-Butanol / butyl alcohol	1.802889E-02	1.227058E-02	-31.9	#	30.00
trans-1,4-Dichloro-2-butene	0.1995929	0.164047	-17.8		30.00
1,4-Dioxane	1.788089E-03	1.598282E-03	-10.6		
Ethanol	2.390261E-03	1.256332E-03	-37.9		
4-Bromofluorobenzene	0.8690543	0.8957482	3.1		
Toluene-d8	0.9379344	0.9608715	2.4		
1,2-Dichloroethane-d4	4.753638E-02	4.743593E-02	-0.2		
Dibromofluoromethane	0.2226528	0.2309632	3.7		
Fluorobenzene	1	1	0.0		
Chlorobenzene-d5	1	1	0.0		
1,4-Dichlorobenzene-d4	1	1	0.0		

Analyte	Average RF	CCRF	% D		Limit
Batch S700879					
Calibration Check (S700879-CCV1)					
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.2296279	0.2140912	-6.8		30.00
Acetone	2.017629E-02	1.276383E-02	-32.4	#	30.00
Acrylonitrile	5.843536E-02	0.0448379	-23.3		30.00
Benzene	1.155484	1.006818	-12.9		30.00
Bromobenzene	0.7266108	0.8095383	11.4		30.00
Bromochloromethane	0.1228125	0.1250802	1.8		30.00
Bromodichloromethane	0.3166452	0.292994	-7.5		30.00
Bromoform	0.3340694	0.3572822	6.9		30.00
Bromomethane	0.1911226	0.1885871	-1.3		30.00
2-Butanone (MEK)	5.448413E-02	4.291762E-02	-21.2		30.00
n-Butylbenzene	2.828463	2.327972	-17.7		30.00
sec-Butylbenzene	3.559702	3.584803	0.7		30.00
tert-Butylbenzene	2.37877	2.445847	2.8		30.00
Carbon disulfide	0.9154045	0.7661688	-16.3		30.00
Carbon tetrachloride	0.3473065	0.3243597	-6.6		30.00
Chlorobenzene	1.919754	1.940362	1.1		30.00
Chloroethane	0.1856136	0.1683906	-9.3		30.00
Chloroform	0.4640461	0.4121052	-11.2		20.00
Chloromethane	0.2618136	0.229665	-12.3		30.00
2-Chlorotoluene	2.03257	2.036337	0.2		30.00
4-Chlorotoluene	2.13748	2.143554	0.3		30.00
1,2-Dibromo-3-chloropropane	9.550254E-02	0.0728398	-23.7		30.00
Dibromochloromethane	0.2216459	0.2201173	-0.7		30.00
1,2-Dibromoethane (EDB)	0.1832565	0.1788984	-2.4		30.00
Dibromomethane	0.1266018	0.1178992	-6.9		30.00
1,2-Dichlorobenzene	1.41983	1.343955	-5.3		30.00
1,3-Dichlorobenzene	1.398122	1.519331	8.7		30.00
1,4-Dichlorobenzene	1.564386	1.449995	-7.3		30.00
Dichlorodifluoromethane (Freon12)	0.1787923	0.1684107	-5.8		30.00
1,1-Dichloroethane	0.4591233	0.3980354	-13.3		30.00
1,2-Dichloroethane	0.2470241	0.2157631	-12.7		30.00
1,1-Dichloroethene	0.2583212	0.2272176	-12.0		20.00
cis-1,2-Dichloroethene	0.2908928	0.2641394	-9.2		30.00
trans-1,2-Dichloroethene	0.2772392	0.2559849	-7.7		30.00
1,2-Dichloropropane	0.2582534	0.2202516	-14.7		20.00
1,3-Dichloropropane	0.3152712	0.2887707	-8.4		30.00
2,2-Dichloropropane	0.3905989	0.2864711	-26.7		30.00
1,1-Dichloropropene	0.3720061	0.3175145	-14.6		30.00
cis-1,3-Dichloropropene	0.4022376	0.3448282	-14.3		30.00
trans-1,3-Dichloropropene	0.3254867	0.2742343	-15.7		30.00
Ethylbenzene	3.447166	3.361592	-2.5		20.00
Hexachlorobutadiene	0.5751871	0.5568563	-3.2		30.00
2-Hexanone (MBK)	3.672891E-02	3.906299E-02	-20.4		30.00
Isopropylbenzene	3.094578	3.106346	0.4		30.00
4-Isopropyltoluene	3.179921	2.764818	-13.1		30.00
Methyl tert-butyl ether	0.6097144	0.5037348	-17.4		30.00
4-Methyl-2-pentanone (MIBK)	2.359756E-02	2.258345E-02	-4.3		30.00
Methylene chloride	0.2752425	0.2480352	-9.9		30.00
Naphthalene	1.641055	1.654141	-17.9		30.00
n-Propylbenzene	3.747903	3.697175	-1.4		30.00
Styrene	2.069973	2.108131	1.8		30.00

Analyte	Average RF	CCRF	% D	Limit
Batch S700879				
Calibration Check (S700879-CCV1)				
1,1,1,2-Tetrachloroethane	0.6384404	0.6642169	4.0	30.00
1,1,2,2-Tetrachloroethane	0.5811305	0.5306247	-8.7	30.00
Tetrachloroethene	0.2311733	0.2359563	2.1	30.00
Toluene	0.7538499	0.683073	-9.4	20.00
1,2,3-Trichlorobenzene	0.8651456	0.8628572	-0.3	30.00
1,2,4-Trichlorobenzene	0.9252403	0.9155374	-1.0	30.00
1,1,1-Trichloroethane	0.3974912	0.3596029	-9.5	30.00
1,1,2-Trichloroethane	0.1621322	0.1476502	-8.9	30.00
Trichloroethene	0.2994918	0.2611113	-12.8	30.00
Trichlorofluoromethane (Freon 11)	0.3415461	0.349508	2.3	30.00
1,2,3-Trichloropropane	0.3570462	0.3340851	-6.4	30.00
1,2,4-Trimethylbenzene	2.702129	2.641185	-2.3	30.00
1,3,5-Trimethylbenzene	2.698005	2.691228	-0.3	30.00
Vinyl chloride	0.2532311	0.237853	-6.1	20.00
m,p-Xylene	1.330358	1.322177	-0.6	30.00
o-Xylene	1.281383	1.274629	-0.5	30.00
Tetrahydrofuran	4.054884E-02	3.212107E-02	-20.8	30.00
Ethyl ether	0.1358667	0.1166739	-14.1	30.00
Tert-amyl methyl ether	1.268346E-02	1.007812E-02	-20.5	30.00
Ethyl tert-butyl ether	0.7037243	0.5872033	-16.6	30.00
Di-isopropyl ether	0.7618583	0.6219832	-18.4	30.00
Tert-Butanol / butyl alcohol	1.802889E-02	1.272354E-02	-29.4	30.00
trans-1,4-Dichloro-2-butene	0.1995929	0.1516692	-24.0	30.00
Ethanol	2.390261E-03	1.323718E-03	-34.4	
1,4-Dioxane	1.788089E-03	1.504668E-03	-15.9	
4-Bromofluorobenzene	0.8690543	0.9034151	4.0	
Toluene-d8	0.9379344	0.967513	3.2	
1,2-Dichloroethane-d4	4.753638E-02	4.675147E-02	-1.7	
Dibromofluoromethane	0.2226528	0.2346436	5.4	
Fluorobenzene	1	1	0.0	
Chlorobenzene-d5	1	1	0.0	
1,4-Dichlorobenzene-d4	1	1	0.0	

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
S04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
VOC6	The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.
Z-2	Insufficient volume of sample to confirm matrix interference
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	Ground Water Soil				
Containers	☑ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☑ pH≤2	☑ pH>2	☑ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☑ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? *Yes*
Were any significant modifications made to the EPH method as specified in Section 11.3? *No*
Were all performance/acceptance standards for required QA/QC procedures achieved? *Yes*

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project #: 7-1279
Project Location: Neponset St. - Canton, MA	MADEP RTN [1]:

This form provides certifications for the following data set:
SA72337-01 through SA72337-08

Sample matrices:	Ground Water Soil				
MCP SW-846 Methods Used	☑ 8260B	☐ 8151A	☐ 8330	☑ 6010B	☑ 7470A/1A
	☑ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☑ 8082	☐ 8021B	☑ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☑ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 12/21/2007

SA72337 CM

SPECTRUM ANALYTICAL, INC.
featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 DAYS
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: FS ENGINEERS INC
289 GREAT ROAD
ACTON, MA

Project Mgr.: M.J. HUDSON

Invoice To: FS ENGINEERS

P.O. No.: 7-1277 RQN:

Project No.: 7-1277
Site Name: NEPONSET ST.
Location: CANTON State: MA
Sampler(s): M.J. HUDSON

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= NONE 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPH	[redacted]	VOCs 8260B	PP METALS	PCBs	TSS	TOTAL PHTHALATES	TOTAL PHENOLS	QA Reporting Notes:
7233701	TP-1	12-13-07	8:15	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
02	TP-2	12-13-07	8:45	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
03	TP-3	12-13-07	9:15	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
04	TP-4	12-13-07	9:45	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
05	TP-1	12-13-07	8:15	G	S	7,8,9	3	3			X	[redacted]	X	X	X				Only 3 Ambers received
06	TP-2	12-13-07	8:45	G	S	7,8,9	3	3			X	[redacted]	X	X	X				
07	TP-3	12-13-07	9:15	G	S	7,8,9	3	3			X	[redacted]	X	X	X				
08	TP-4	12-13-07	9:45	G	S	7,8,9	3	3			X	[redacted]	X	X	X				

QA Reporting Notes (check if needed):
- ☒ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other

[4] State specific reporting standards:

☐ Fax results when available to (____) ____
☐ E-mail to ____
EDD Format ____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2°

Relinquished by:	Received by:	Date:	Time:
M J Hudson		12/4/07	1245

SA72337 CM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
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- ☒ Rush TAT - Date Needed: 5 DAYS
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Report To: FS ENGINEERS INC
289 GREAT ROAD
ACTON, MA

Project Mgr.: M.J. HUDSON

Invoice To: FS ENGINEERS

P.O. No.: 7-1277 RQN:

Project No.: 7-1279
Site Name: NEPONSET ST.
Location: CANTON State: MA
Sampler(s): M.J. HUDSON

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= NONE 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPH	[redacted]	VOCs 8260B	PP METALS	PCBs	TSS	TOTAL PHTHALATES	TOTAL PHENOLS 8270	QA Reporting Notes: (check if needed)
7233701	TP-1	12-13-07	8:15	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	See attached.
02	TP-2	12-13-07	8:45	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
03	TP-3	12-13-07	9:15	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
04	TP-4	12-13-07	9:45	G	GW	2	3	3			X	[redacted]	X	X	X	X	X	X	
05	TP-1	12-13-07	8:15	G	S	7,8,9	3	4 3			X	[redacted]	X	X	X				Only 3 Ambers received
06	TP-2	12-13-07	8:45	G	S	7,8,9	3	4 3			X	[redacted]	X	X	X				
07	TP-3	12-13-07	9:15	G	S	7,8,9	3	4 3			X	[redacted]	X	X	X				
08	TP-4	12-13-07	9:45	G	S	7,8,9	3	4 3			X	[redacted]	X	X	X				

QA Reporting Notes (check if needed):
- ☒ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other

State specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
MJ Hudson		12/14/07	1245
		12/14/07	1105

- ☐ Fax results when available to (____)
- ☐ E-mail to
- EDD Format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C (2°)