

Appendix C
Laboratory Analytical reports

ALPHA ANALYTICAL LABORATORIES

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MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England

Laboratory Job Number: L0604613

Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Date Received: 04-APR-2006

Attn: Jeremy Picard

Date Reported: 10-APR-2006

Project Number:

Delivery Method: Alpha

Site: RAYTHEON

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? N/A

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604613

Date Reported: 10-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604613-01	MW-268M-20060403-01	WAYLAND, MA
L0604613-02	DUP-003-20060403-01	WAYLAND, MA
L0604613-03	MW-268D-20060403-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604613

Volatile Organics

The following samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0604613-01, -02 (100X)

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604613-01	Date Collected:	03-APR-2006 14:45
	MW-268M-20060403-01	Date Received :	04-APR-2006
Sample Matrix:	WATER	Date Reported :	10-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0407 21:18 RY	
Methylene chloride	ND	ug/l	500			
1,1-Dichloroethane	ND	ug/l	75.			
Chloroform	ND	ug/l	75.			
Carbon tetrachloride	ND	ug/l	50.			
1,2-Dichloropropane	ND	ug/l	180			
Dibromochloromethane	ND	ug/l	50.			
1,1,2-Trichloroethane	ND	ug/l	75.			
Tetrachloroethene	51	ug/l	50.			
Chlorobenzene	ND	ug/l	50.			
1,2-Dichloroethane	ND	ug/l	50.			
1,1,1-Trichloroethane	ND	ug/l	50.			
Bromodichloromethane	ND	ug/l	50.			
trans-1,3-Dichloropropene	ND	ug/l	50.			
cis-1,3-Dichloropropene	ND	ug/l	50.			
Bromoform	ND	ug/l	200			
1,1,2,2-Tetrachloroethane	ND	ug/l	50.			
Chloromethane	ND	ug/l	250			
Vinyl chloride	230	ug/l	100			
Chloroethane	ND	ug/l	100			
1,1-Dichloroethene	ND	ug/l	50.			
trans-1,2-Dichloroethene	ND	ug/l	75.			
Trichloroethene	2200	ug/l	50.			
1,2-Dichlorobenzene	ND	ug/l	250			
1,3-Dichlorobenzene	ND	ug/l	250			
1,4-Dichlorobenzene	ND	ug/l	250			
cis-1,2-Dichloroethene	5100	ug/l	50.			
Dichlorodifluoromethane	ND	ug/l	500			
1,2-Dibromoethane	ND	ug/l	200			
1,3-Dichloropropane	ND	ug/l	250			
1,1,1,2-Tetrachloroethane	ND	ug/l	50.			
o-Chlorotoluene	ND	ug/l	250			
p-Chlorotoluene	ND	ug/l	250			
Hexachlorobutadiene	ND	ug/l	60.			
1,2,4-Trichlorobenzene	ND	ug/l	250			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604613-01
MW-268M-20060403-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0407 21:18 RY		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	105	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604613-02	Date Collected:	03-APR-2006 12:00
	DUP-003-20060403-01	Date Received :	04-APR-2006
Sample Matrix:	WATER	Date Reported :	10-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0407 21:55 RY	
Methylene chloride	ND	ug/l	500			
1,1-Dichloroethane	ND	ug/l	75.			
Chloroform	ND	ug/l	75.			
Carbon tetrachloride	ND	ug/l	50.			
1,2-Dichloropropane	ND	ug/l	180			
Dibromochloromethane	ND	ug/l	50.			
1,1,2-Trichloroethane	ND	ug/l	75.			
Tetrachloroethene	ND	ug/l	50.			
Chlorobenzene	ND	ug/l	50.			
1,2-Dichloroethane	ND	ug/l	50.			
1,1,1-Trichloroethane	ND	ug/l	50.			
Bromodichloromethane	ND	ug/l	50.			
trans-1,3-Dichloropropene	ND	ug/l	50.			
cis-1,3-Dichloropropene	ND	ug/l	50.			
Bromoform	ND	ug/l	200			
1,1,2,2-Tetrachloroethane	ND	ug/l	50.			
Chloromethane	ND	ug/l	250			
Vinyl chloride	230	ug/l	100			
Chloroethane	ND	ug/l	100			
1,1-Dichloroethene	ND	ug/l	50.			
trans-1,2-Dichloroethene	ND	ug/l	75.			
Trichloroethene	2100	ug/l	50.			
1,2-Dichlorobenzene	ND	ug/l	250			
1,3-Dichlorobenzene	ND	ug/l	250			
1,4-Dichlorobenzene	ND	ug/l	250			
cis-1,2-Dichloroethene	5100	ug/l	50.			
Dichlorodifluoromethane	ND	ug/l	500			
1,2-Dibromoethane	ND	ug/l	200			
1,3-Dichloropropane	ND	ug/l	250			
1,1,1,2-Tetrachloroethane	ND	ug/l	50.			
o-Chlorotoluene	ND	ug/l	250			
p-Chlorotoluene	ND	ug/l	250			
Hexachlorobutadiene	ND	ug/l	60.			
1,2,4-Trichlorobenzene	ND	ug/l	250			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604613-02
DUP-003-20060403-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0407 21:55 RY		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	104	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	105	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604613-03	Date Collected: 03-APR-2006 15:25
MW-268D-20060403-01	Date Received : 04-APR-2006
Sample Matrix: WATER	Date Reported : 10-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0407 22:31 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	21	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	22	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604613-03
MW-268D-20060403-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0407 22:31		RY
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	108	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604613

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-03 (WG235379-1, WG235379-2)					
Methylene chloride	97	96	1	25	70-130
1,1-Dichloroethane	100	95	5	25	70-130
Chloroform	96	92	4	25	70-130
Carbon tetrachloride	102	97	5	25	70-130
1,2-Dichloropropane	100	97	3	25	70-130
Dibromochloromethane	89	89	0	25	70-130
1,1,2-Trichloroethane	90	93	3	25	70-130
Tetrachloroethene	98	94	4	25	70-130
Chlorobenzene	96	93	3	25	70-130
Trichlorofluoromethane	101	95	6	25	70-130
1,2-Dichloroethane	95	94	1	25	70-130
1,1,1-Trichloroethane	99	96	3	25	70-130
Bromodichloromethane	98	95	3	25	70-130
trans-1,3-Dichloropropene	95	94	1	25	70-130
cis-1,3-Dichloropropene	87	86	1	25	70-130
1,1-Dichloropropene	102	96	6	25	70-130
Bromoform	93	92	1	50	70-130
1,1,2,2-Tetrachloroethane	94	95	1	25	70-130
Benzene	100	95	5	25	70-130
Toluene	101	95	6	25	70-130
Ethylbenzene	100	97	3	25	70-130
Chloromethane	88	83	6	50	70-130
Bromomethane	94	93	1	50	70-130
Vinyl chloride	97	94	3	25	70-130
Chloroethane	88	81	8	25	70-130
1,1-Dichloroethene	102	97	5	25	70-130
trans-1,2-Dichloroethene	101	95	6	25	70-130
Trichloroethene	100	95	5	25	70-130
1,2-Dichlorobenzene	94	93	1	25	70-130
1,3-Dichlorobenzene	100	94	6	25	70-130
1,4-Dichlorobenzene	91	86	6	25	70-130
Methyl tert butyl ether	90	93	3	25	70-130
p/m-Xylene	100	96	4	25	70-130
o-Xylene	95	91	4	25	70-130
cis-1,2-Dichloroethene	104	99	5	25	70-130
Dibromomethane	91	91	0	25	70-130
1,2,3-Trichloropropane	99	104	5	25	70-130
Styrene	92	88	4	25	70-130
Dichlorodifluoromethane	92	84	9	50	70-130
Acetone	82	82	0	50	70-130
Carbon disulfide	81	76	6	25	70-130
2-Butanone	89	100	12	50	70-130
4-Methyl-2-pentanone	86	95	10	50	70-130
2-Hexanone	99	106	7	50	70-130
Bromochloromethane	94	95	1	25	70-130
Tetrahydrofuran	101	92	9	25	70-130
2,2-Dichloropropane	95	81	16	50	70-130
1,2-Dibromoethane	93	94	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604613

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-03 (WG235379-1, WG235379-2)					
1,3-Dichloropropane	96	95	1	25	70-130
1,1,1,2-Tetrachloroethane	97	96	1	25	70-130
Bromobenzene	98	94	4	25	70-130
n-Butylbenzene	100	90	11	25	70-130
sec-Butylbenzene	96	91	5	25	70-130
tert-Butylbenzene	107	100	7	25	70-130
o-Chlorotoluene	102	97	5	25	70-130
p-Chlorotoluene	98	94	4	25	70-130
1,2-Dibromo-3-chloropropane	79	82	4	50	70-130
Hexachlorobutadiene	92	85	8	25	70-130
Isopropylbenzene	105	102	3	25	70-130
p-Isopropyltoluene	97	89	9	25	70-130
Naphthalene	79	82	4	25	70-130
n-Propylbenzene	110	101	9	25	70-130
1,2,3-Trichlorobenzene	77	80	4	25	70-130
1,2,4-Trichlorobenzene	84	81	4	25	70-130
1,3,5-Trimethylbenzene	108	102	6	25	70-130
1,2,4-Trimethylbenzene	103	96	7	25	70-130
Ethyl ether	86	88	2	25	70-130
Isopropyl Ether	86	86	0	25	70-130
Ethyl-Tert-Butyl-Ether	86	87	1	25	70-130
Tertiary-Amyl Methyl Ether	84	85	1	25	70-130
1,4-Dioxane	86	90	5	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	93	93	0		70-130
Toluene-d8	99	100	1		70-130
4-Bromofluorobenzene	104	101	3		70-130
Dibromofluoromethane	99	95	4		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604613

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-03 (WG235379-3)						
Volatile Organics by MCP 8260B				60 8260B	0407 17:41 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604613

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-03 (WG235379-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0407 17:41 RY	
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	96.0	%		70-130		
Toluene-d8	99.0	%		70-130		
4-Bromofluorobenzene	104	%		70-130		
Dibromofluoromethane	99.0	%		70-130		

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604613

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604613-01A	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604613-01B	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604613-02A	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604613-02B	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604613-03A	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604613-03B	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
--------------	----------



CHAIN OF CUSTODY

PAGE 1 OF 1

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-899-9193

Client Information

Client: E-Rin

Address: 394 Dalton St CH

Diston MA.

Phone: 617.646.7500

Fax: 617.267-6447

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Right the on

Project Location: Weymouth MA.

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approval)

Date Due: 4/11

Time:

Date Rec'd in Lab:

4/9

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

ALPHA Job #:

10609613

Billing Information

☐ Same as Client info

PO #:

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are Drinking Water Samples Submitted?

☒ Yes ☐ No Have you met minimum field QC requirements?

ANALYSIS

8021 B

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR

PROJECT

MCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type

Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604617
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 04-APR-2006
Attn: Jeremy Picard	Date Reported: 10-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON GW SAMPLING	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? N/A

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604617

Date Reported: 10-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604617-01	MW-261S-20060303-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604617

Volatile Organics

L0604617-01 has elevated limits of detection due to the 100x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604617-01	Date Collected: 03-APR-2006 14:30
MW-261S-20060303-01	Date Received : 04-APR-2006
Sample Matrix: WATER	Date Reported : 10-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0408 00:18 RY		
Methylene chloride	ND	ug/l	500				
1,1-Dichloroethane	ND	ug/l	75.				
Chloroform	ND	ug/l	75.				
Carbon tetrachloride	ND	ug/l	50.				
1,2-Dichloropropane	ND	ug/l	180				
Dibromochloromethane	ND	ug/l	50.				
1,1,2-Trichloroethane	ND	ug/l	75.				
Tetrachloroethene	56	ug/l	50.				
Chlorobenzene	ND	ug/l	50.				
1,2-Dichloroethane	ND	ug/l	50.				
1,1,1-Trichloroethane	ND	ug/l	50.				
Bromodichloromethane	ND	ug/l	50.				
trans-1,3-Dichloropropene	ND	ug/l	50.				
cis-1,3-Dichloropropene	ND	ug/l	50.				
Bromoform	ND	ug/l	200				
1,1,2,2-Tetrachloroethane	ND	ug/l	50.				
Chloromethane	ND	ug/l	250				
Vinyl chloride	ND	ug/l	100				
Chloroethane	ND	ug/l	100				
1,1-Dichloroethene	ND	ug/l	50.				
trans-1,2-Dichloroethene	ND	ug/l	75.				
Trichloroethene	3600	ug/l	50.				
1,2-Dichlorobenzene	ND	ug/l	250				
1,3-Dichlorobenzene	ND	ug/l	250				
1,4-Dichlorobenzene	ND	ug/l	250				
cis-1,2-Dichloroethene	80	ug/l	50.				
Dichlorodifluoromethane	ND	ug/l	500				
1,2-Dibromoethane	ND	ug/l	200				
1,3-Dichloropropane	ND	ug/l	250				
1,1,1,2-Tetrachloroethane	ND	ug/l	50.				
o-Chlorotoluene	ND	ug/l	250				
p-Chlorotoluene	ND	ug/l	250				
Hexachlorobutadiene	ND	ug/l	60.				
1,2,4-Trichlorobenzene	ND	ug/l	250				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604617-01
MW-261S-20060303-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0408 00:18 RY		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	100	%	70-130				
Dibromofluoromethane	111	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604617

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG235379-1, WG235379-2)					
Methylene chloride	97	96	1	25	70-130
1,1-Dichloroethane	100	95	5	25	70-130
Chloroform	96	92	4	25	70-130
Carbon tetrachloride	102	97	5	25	70-130
1,2-Dichloropropane	100	97	3	25	70-130
Dibromochloromethane	89	89	0	25	70-130
1,1,2-Trichloroethane	90	93	3	25	70-130
Tetrachloroethene	98	94	4	25	70-130
Chlorobenzene	96	93	3	25	70-130
Trichlorofluoromethane	101	95	6	25	70-130
1,2-Dichloroethane	95	94	1	25	70-130
1,1,1-Trichloroethane	99	96	3	25	70-130
Bromodichloromethane	98	95	3	25	70-130
trans-1,3-Dichloropropene	95	94	1	25	70-130
cis-1,3-Dichloropropene	87	86	1	25	70-130
1,1-Dichloropropene	102	96	6	25	70-130
Bromoform	93	92	1	50	70-130
1,1,2,2-Tetrachloroethane	94	95	1	25	70-130
Benzene	100	95	5	25	70-130
Toluene	101	95	6	25	70-130
Ethylbenzene	100	97	3	25	70-130
Chloromethane	88	83	6	50	70-130
Bromomethane	94	93	1	50	70-130
Vinyl chloride	97	94	3	25	70-130
Chloroethane	88	81	8	25	70-130
1,1-Dichloroethene	102	97	5	25	70-130
trans-1,2-Dichloroethene	101	95	6	25	70-130
Trichloroethene	100	95	5	25	70-130
1,2-Dichlorobenzene	94	93	1	25	70-130
1,3-Dichlorobenzene	100	94	6	25	70-130
1,4-Dichlorobenzene	91	86	6	25	70-130
Methyl tert butyl ether	90	93	3	25	70-130
p/m-Xylene	100	96	4	25	70-130
o-Xylene	95	91	4	25	70-130
cis-1,2-Dichloroethene	104	99	5	25	70-130
Dibromomethane	91	91	0	25	70-130
1,2,3-Trichloropropane	99	104	5	25	70-130
Styrene	92	88	4	25	70-130
Dichlorodifluoromethane	92	84	9	50	70-130
Acetone	82	82	0	50	70-130
Carbon disulfide	81	76	6	25	70-130
2-Butanone	89	100	12	50	70-130
4-Methyl-2-pentanone	86	95	10	50	70-130
2-Hexanone	99	106	7	50	70-130
Bromochloromethane	94	95	1	25	70-130
Tetrahydrofuran	101	92	9	25	70-130
2,2-Dichloropropane	95	81	16	50	70-130
1,2-Dibromoethane	93	94	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604617

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG235379-1, WG235379-2)					
1,3-Dichloropropane	96	95	1	25	70-130
1,1,1,2-Tetrachloroethane	97	96	1	25	70-130
Bromobenzene	98	94	4	25	70-130
n-Butylbenzene	100	90	11	25	70-130
sec-Butylbenzene	96	91	5	25	70-130
tert-Butylbenzene	107	100	7	25	70-130
o-Chlorotoluene	102	97	5	25	70-130
p-Chlorotoluene	98	94	4	25	70-130
1,2-Dibromo-3-chloropropane	79	82	4	50	70-130
Hexachlorobutadiene	92	85	8	25	70-130
Isopropylbenzene	105	102	3	25	70-130
p-Isopropyltoluene	97	89	9	25	70-130
Naphthalene	79	82	4	25	70-130
n-Propylbenzene	110	101	9	25	70-130
1,2,3-Trichlorobenzene	77	80	4	25	70-130
1,2,4-Trichlorobenzene	84	81	4	25	70-130
1,3,5-Trimethylbenzene	108	102	6	25	70-130
1,2,4-Trimethylbenzene	103	96	7	25	70-130
Ethyl ether	86	88	2	25	70-130
Isopropyl Ether	86	86	0	25	70-130
Ethyl-Tert-Butyl-Ether	86	87	1	25	70-130
Tertiary-Amyl Methyl Ether	84	85	1	25	70-130
1,4-Dioxane	86	90	5	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	93	93	0		70-130
Toluene-d8	99	100	1		70-130
4-Bromofluorobenzene	104	101	3		70-130
Dibromofluoromethane	99	95	4		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604617

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG235379-3)						
Volatile Organics by MCP 8260B				60 8260B	0407 17:41 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604617

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG235379-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0407 17:41 RY	
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	96.0	%		70-130		
Toluene-d8	99.0	%		70-130		
4-Bromofluorobenzene	104	%		70-130		
Dibromofluoromethane	99.0	%		70-130		

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604617

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604617-01A	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04
L0604617-01B	Vial HCl preserved	A	N/A	3.2C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
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ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604696
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 05-APR-2006
Attn: Jeremy Picard	Date Reported: 10-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON GW SAMPLING	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? N/A

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604696

Date Reported: 10-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604696-01	MW-267M-20060404-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604696

MCP Related Narratives

Volatile Organics

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

L0604696-01 has elevated limits of detection due to the 5x dilution required by the elevated concentrations of target compounds in the sample.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604696-01	Date Collected: 04-APR-2006 14:17
MW-267M-20060404-01	Date Received : 05-APR-2006
Sample Matrix: WATER	Date Reported : 10-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0409 10:37 PD		
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	24	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Vinyl chloride	ND	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	510	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	ND	ug/l	12.				
1,4-Dichlorobenzene	ND	ug/l	12.				
cis-1,2-Dichloroethene	260	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	10.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	3.0				
1,2,4-Trichlorobenzene	ND	ug/l	12.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604696-01
MW-267M-20060404-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 10:37 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	115	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604696

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG235422-1, WG235422-2)					
Methylene chloride	95	92	3	25	70-130
1,1-Dichloroethane	100	95	5	25	70-130
Chloroform	95	90	5	25	70-130
Carbon tetrachloride	101	96	5	25	70-130
1,2-Dichloropropane	101	97	4	25	70-130
Dibromochloromethane	94	94	0	25	70-130
1,1,2-Trichloroethane	100	102	2	25	70-130
Tetrachloroethene	105	101	4	25	70-130
Chlorobenzene	102	99	3	25	70-130
Trichlorofluoromethane	102	94	8	25	70-130
1,2-Dichloroethane	101	99	2	25	70-130
1,1,1-Trichloroethane	101	96	5	25	70-130
Bromodichloromethane	100	97	3	25	70-130
trans-1,3-Dichloropropene	92	92	0	25	70-130
cis-1,3-Dichloropropene	90	90	0	25	70-130
1,1-Dichloropropene	99	92	7	25	70-130
Bromoform	92	98	6	50	70-130
1,1,2,2-Tetrachloroethane	99	102	3	25	70-130
Benzene	100	96	4	25	70-130
Toluene	100	96	4	25	70-130
Ethylbenzene	102	98	4	25	70-130
Chloromethane	91	87	4	50	70-130
Bromomethane	93	91	2	50	70-130
Vinyl chloride	102	94	8	25	70-130
Chloroethane	95	90	5	25	70-130
1,1-Dichloroethene	94	89	5	25	70-130
trans-1,2-Dichloroethene	94	90	4	25	70-130
Trichloroethene	98	93	5	25	70-130
1,2-Dichlorobenzene	96	96	0	25	70-130
1,3-Dichlorobenzene	104	102	2	25	70-130
1,4-Dichlorobenzene	100	99	1	25	70-130
Methyl tert butyl ether	80	85	6	25	70-130
p/m-Xylene	104	101	3	25	70-130
o-Xylene	95	91	4	25	70-130
cis-1,2-Dichloroethene	104	98	6	25	70-130
Dibromomethane	101	102	1	25	70-130
1,2,3-Trichloropropane	99	105	6	25	70-130
Styrene	95	92	3	25	70-130
Dichlorodifluoromethane	82	79	4	50	70-130
Acetone	91	94	3	50	70-130
Carbon disulfide	83	78	6	25	70-130
2-Butanone	90	94	4	50	70-130
4-Methyl-2-pentanone	84	89	6	50	70-130
2-Hexanone	81	88	8	50	70-130
Bromochloromethane	100	100	0	25	70-130
Tetrahydrofuran	82	81	1	25	70-130
2,2-Dichloropropane	96	93	3	50	70-130
1,2-Dibromoethane	91	94	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604696

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG235422-1, WG235422-2)					
1,3-Dichloropropane	94	98	4	25	70-130
1,1,1,2-Tetrachloroethane	104	102	2	25	70-130
Bromobenzene	102	101	1	25	70-130
n-Butylbenzene	94	91	3	25	70-130
sec-Butylbenzene	96	93	3	25	70-130
tert-Butylbenzene	97	95	2	25	70-130
o-Chlorotoluene	104	100	4	25	70-130
p-Chlorotoluene	102	98	4	25	70-130
1,2-Dibromo-3-chloropropane	92	98	6	50	70-130
Hexachlorobutadiene	96	91	5	25	70-130
Isopropylbenzene	104	101	3	25	70-130
p-Isopropyltoluene	98	96	2	25	70-130
Naphthalene	76	84	10	25	70-130
n-Propylbenzene	102	98	4	25	70-130
1,2,3-Trichlorobenzene	84	89	6	25	70-130
1,2,4-Trichlorobenzene	84	87	4	25	70-130
1,3,5-Trimethylbenzene	99	94	5	25	70-130
1,2,4-Trimethylbenzene	99	97	2	25	70-130
Ethyl ether	78	79	1	25	70-130
Isopropyl Ether	80	79	1	25	70-130
Ethyl-Tert-Butyl-Ether	76	77	1	25	70-130
Tertiary-Amyl Methyl Ether	75	77	3	25	70-130
1,4-Dioxane	79	83	5	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	99	104	5		70-130
Toluene-d8	98	100	2		70-130
4-Bromofluorobenzene	92	96	4		70-130
Dibromofluoromethane	106	109	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0604696

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01 (L0604688-07, WG235422-5)					
Methylene chloride	96	101	5	30	70-130
1,1-Dichloroethane	95	101	6	30	70-130
Chloroform	84	90	7	30	70-130
Carbon tetrachloride	85	93	9	30	70-130
1,2-Dichloropropane	93	99	6	30	70-130
Dibromochloromethane	84	89	6	30	70-130
1,1,2-Trichloroethane	93	98	5	30	70-130
Tetrachloroethene	86	97	12	30	70-130
Chlorobenzene	87	94	8	30	70-130
1,2-Dichloroethane	99	102	3	30	70-130
1,1,1-Trichloroethane	89	96	8	30	70-130
Bromodichloromethane	90	94	4	30	70-130
trans-1,3-Dichloropropene	80	84	5	30	70-130
cis-1,3-Dichloropropene	78	84	7	30	70-130
Bromoform	82	88	7	30	70-130
1,1,2,2-Tetrachloroethane	94	98	4	30	70-130
Chloromethane	85	93	9	30	70-130
Vinyl chloride	92	102	10	30	70-130
Chloroethane	88	97	10	30	70-130
1,1-Dichloroethene	79	92	15	30	70-130
trans-1,2-Dichloroethene	86	94	9	30	70-130
Trichloroethene	79	88	11	30	70-130
1,2-Dichlorobenzene	81	90	11	30	70-130
1,3-Dichlorobenzene	84	94	11	30	70-130
1,4-Dichlorobenzene	81	90	11	30	70-130
cis-1,2-Dichloroethene	94	101	7	30	70-130
Dichlorodifluoromethane	68	76	11	30	70-130
1,2-Dibromoethane	88	91	3	30	70-130
1,3-Dichloropropane	92	96	4	30	70-130
1,1,1,2-Tetrachloroethane	91	96	5	30	70-130
o-Chlorotoluene	84	92	9	30	70-130
p-Chlorotoluene	80	89	11	30	70-130
Hexachlorobutadiene	73	84	14	30	70-130
1,2,4-Trichlorobenzene	71	79	11	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	103	106	3		70-130
Toluene-d8	95	101	6		70-130
4-Bromofluorobenzene	90	96	6		70-130
Dibromofluoromethane	106	111	5		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604696

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG235422-3)						
Volatile Organics by MCP 8260B				60 8260B	0409 09:57 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604696

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG235422-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 09:57 PD	
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	109	%		70-130		
Toluene-d8	102	%		70-130		
4-Bromofluorobenzene	98.0	%		70-130		
Dibromofluoromethane	116	%		70-130		

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604696

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604696-01A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604696-01B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04

Container Comments

Container ID Comments

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604761
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 05-APR-2006
Attn: Jeremy Picard	Date Reported: 11-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? N/A

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604761

Date Reported: 11-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604761-01	MW-553-20060404-01	WAYLAND
L0604761-02	MW-552-20060404-01	WAYLAND
L0604761-03	MW-551-20060404-01	WAYLAND
L0604761-04	MW-267S-20060404-01	WAYLAND

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604761

MCP Related Narratives

Volatile Organics

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

The following samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0604761-01, -04: 10x

L0604761-02: 200x

In reference to question E:

The WG235382-7 LCSD % recovery for 1,2,4-Trichlorobenzene is below the acceptance criteria for the method.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604761-01	Date Collected: 04-APR-2006 08:40
MW-553-20060404-01	Date Received : 05-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0410 11:19 PD		
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	ND	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	24	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Vinyl chloride	ND	ug/l	10.				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	ND	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	400	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
cis-1,2-Dichloroethene	68	ug/l	5.0				
Dichlorodifluoromethane	ND	ug/l	50.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	6.0				
1,2,4-Trichlorobenzene	ND	ug/l	25.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604761-01
MW-553-20060404-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0410 11:19 PD	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	113	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	99.0	%	70-130				
Dibromofluoromethane	111	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604761-02	Date Collected: 04-APR-2006 09:55
MW-552-20060404-01	Date Received : 05-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0410 11:56 PD		
Methylene chloride	ND	ug/l	1000				
1,1-Dichloroethane	ND	ug/l	150				
Chloroform	ND	ug/l	150				
Carbon tetrachloride	ND	ug/l	100				
1,2-Dichloropropane	ND	ug/l	350				
Dibromochloromethane	ND	ug/l	100				
1,1,2-Trichloroethane	ND	ug/l	150				
Tetrachloroethene	230	ug/l	100				
Chlorobenzene	ND	ug/l	100				
1,2-Dichloroethane	ND	ug/l	100				
1,1,1-Trichloroethane	ND	ug/l	100				
Bromodichloromethane	ND	ug/l	100				
trans-1,3-Dichloropropene	ND	ug/l	100				
cis-1,3-Dichloropropene	ND	ug/l	100				
Bromoform	ND	ug/l	400				
1,1,2,2-Tetrachloroethane	ND	ug/l	100				
Chloromethane	ND	ug/l	500				
Vinyl chloride	ND	ug/l	200				
Chloroethane	ND	ug/l	200				
1,1-Dichloroethene	ND	ug/l	100				
trans-1,2-Dichloroethene	ND	ug/l	150				
Trichloroethene	6200	ug/l	100				
1,2-Dichlorobenzene	ND	ug/l	500				
1,3-Dichlorobenzene	ND	ug/l	500				
1,4-Dichlorobenzene	ND	ug/l	500				
cis-1,2-Dichloroethene	310	ug/l	100				
Dichlorodifluoromethane	ND	ug/l	1000				
1,2-Dibromoethane	ND	ug/l	400				
1,3-Dichloropropane	ND	ug/l	500				
1,1,1,2-Tetrachloroethane	ND	ug/l	100				
o-Chlorotoluene	ND	ug/l	500				
p-Chlorotoluene	ND	ug/l	500				
Hexachlorobutadiene	ND	ug/l	120				
1,2,4-Trichlorobenzene	ND	ug/l	500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604761-02
MW-552-20060404-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0410 11:56 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	119	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	98.0	%	70-130				
Dibromofluoromethane	113	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604761-03	Date Collected: 04-APR-2006 11:25
MW-551-20060404-01	Date Received : 05-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0409 14:59 PD		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	0.70	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	40	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	0.58	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604761-03
MW-551-20060404-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 14:59 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	115	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				
Dibromofluoromethane	110	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604761-04
MW-267S-20060404-01
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 2-Vial

Date Collected: 04-APR-2006 13:20
Date Received : 05-APR-2006
Date Reported : 11-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0409 15:36 PD	
Methylene chloride	ND	ug/l	50.			
1,1-Dichloroethane	ND	ug/l	7.5			
Chloroform	ND	ug/l	7.5			
Carbon tetrachloride	ND	ug/l	5.0			
1,2-Dichloropropane	ND	ug/l	18.			
Dibromochloromethane	ND	ug/l	5.0			
1,1,2-Trichloroethane	ND	ug/l	7.5			
Tetrachloroethene	6.1	ug/l	5.0			
Chlorobenzene	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	5.0			
1,1,1-Trichloroethane	ND	ug/l	5.0			
Bromodichloromethane	ND	ug/l	5.0			
trans-1,3-Dichloropropene	ND	ug/l	5.0			
cis-1,3-Dichloropropene	ND	ug/l	5.0			
Bromoform	ND	ug/l	20.			
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0			
Chloromethane	ND	ug/l	25.			
Vinyl chloride	ND	ug/l	10.			
Chloroethane	ND	ug/l	10.			
1,1-Dichloroethene	ND	ug/l	5.0			
trans-1,2-Dichloroethene	ND	ug/l	7.5			
Trichloroethene	400	ug/l	5.0			
1,2-Dichlorobenzene	ND	ug/l	25.			
1,3-Dichlorobenzene	ND	ug/l	25.			
1,4-Dichlorobenzene	ND	ug/l	25.			
cis-1,2-Dichloroethene	67	ug/l	5.0			
Dichlorodifluoromethane	ND	ug/l	50.			
1,2-Dibromoethane	ND	ug/l	20.			
1,3-Dichloropropane	ND	ug/l	25.			
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0			
o-Chlorotoluene	ND	ug/l	25.			
p-Chlorotoluene	ND	ug/l	25.			
Hexachlorobutadiene	ND	ug/l	6.0			
1,2,4-Trichlorobenzene	ND	ug/l	25.			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604761-04
MW-267S-20060404-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 15:36 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	115	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	104	%	70-130				
Dibromofluoromethane	113	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604761

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 03-04 (WG235382-3, WG235382-4)					
Methylene chloride	99	106	7	25	70-130
1,1-Dichloroethane	99	94	5	25	70-130
Chloroform	102	110	8	25	70-130
Carbon tetrachloride	113	126	11	25	70-130
1,2-Dichloropropane	100	104	4	25	70-130
Dibromochloromethane	95	98	3	25	70-130
1,1,2-Trichloroethane	96	100	4	25	70-130
Tetrachloroethene	97	110	13	25	70-130
Chlorobenzene	98	103	5	25	70-130
1,2-Dichloroethane	102	105	3	25	70-130
1,1,1-Trichloroethane	106	114	7	25	70-130
Bromodichloromethane	105	111	6	25	70-130
trans-1,3-Dichloropropene	98	100	2	25	70-130
cis-1,3-Dichloropropene	89	89	0	25	70-130
Bromoform	98	101	3	50	70-130
1,1,2,2-Tetrachloroethane	93	91	2	25	70-130
Chloromethane	93	94	1	50	70-130
Vinyl chloride	107	115	7	25	70-130
Chloroethane	95	98	3	25	70-130
1,1-Dichloroethene	105	106	1	25	70-130
trans-1,2-Dichloroethene	101	103	2	25	70-130
Trichloroethene	100	103	3	25	70-130
1,2-Dichlorobenzene	95	97	2	25	70-130
1,3-Dichlorobenzene	98	101	3	25	70-130
1,4-Dichlorobenzene	92	96	4	25	70-130
cis-1,2-Dichloroethene	104	107	3	25	70-130
Dichlorodifluoromethane	103	113	9	50	70-130
1,2-Dibromoethane	93	97	4	25	70-130
1,3-Dichloropropane	98	103	5	25	70-130
1,1,1,2-Tetrachloroethane	102	113	10	25	70-130
o-Chlorotoluene	100	104	4	25	70-130
p-Chlorotoluene	99	101	2	25	70-130
Hexachlorobutadiene	81	88	8	25	70-130
1,2,4-Trichlorobenzene	80	72	11	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	102	108	6		70-130
Toluene-d8	96	97	1		70-130
4-Bromofluorobenzene	100	97	3		70-130
Dibromofluoromethane	107	105	2		70-130
Volatile Organics by MCP 8260B for sample(s) 01-02 (WG235382-6, WG235382-7)					
Methylene chloride	99	100	1	25	70-130
1,1-Dichloroethane	101	99	2	25	70-130
Chloroform	101	103	2	25	70-130
Carbon tetrachloride	114	115	1	25	70-130
1,2-Dichloropropane	98	98	0	25	70-130
Dibromochloromethane	96	93	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604761

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-02 (WG235382-6, WG235382-7)					
1,1,2-Trichloroethane	98	98	0	25	70-130
Tetrachloroethene	102	101	1	25	70-130
Chlorobenzene	98	98	0	25	70-130
1,2-Dichloroethane	102	106	4	25	70-130
1,1,1-Trichloroethane	108	110	2	25	70-130
Bromodichloromethane	102	104	2	25	70-130
trans-1,3-Dichloropropene	100	99	1	25	70-130
cis-1,3-Dichloropropene	88	82	7	25	70-130
Bromoform	100	101	1	50	70-130
1,1,2,2-Tetrachloroethane	90	86	5	25	70-130
Chloromethane	91	90	1	50	70-130
Vinyl chloride	105	105	0	25	70-130
Chloroethane	92	90	2	25	70-130
1,1-Dichloroethene	104	93	11	25	70-130
trans-1,2-Dichloroethene	100	96	4	25	70-130
Trichloroethene	97	92	5	25	70-130
1,2-Dichlorobenzene	92	89	3	25	70-130
1,3-Dichlorobenzene	98	92	6	25	70-130
1,4-Dichlorobenzene	91	87	4	25	70-130
cis-1,2-Dichloroethene	102	98	4	25	70-130
Dichlorodifluoromethane	100	104	4	50	70-130
1,2-Dibromoethane	96	88	9	25	70-130
1,3-Dichloropropane	98	96	2	25	70-130
1,1,1,2-Tetrachloroethane	104	104	0	25	70-130
o-Chlorotoluene	97	93	4	25	70-130
p-Chlorotoluene	94	89	5	25	70-130
Hexachlorobutadiene	86	82	5	25	70-130
1,2,4-Trichlorobenzene	73	65	12	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	106	108	2		70-130
Toluene-d8	98	97	1		70-130
4-Bromofluorobenzene	98	94	4		70-130
Dibromofluoromethane	105	111	6		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0604761

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01-04 (L0604775-04, WG235382-2)					
Methylene chloride	99	93	6	30	70-130
1,1-Dichloroethane	104	94	10	30	70-130
Chloroform	107	97	10	30	70-130
Carbon tetrachloride	119	107	11	30	70-130
1,2-Dichloropropane	105	97	8	30	70-130
Dibromochloromethane	95	92	3	30	70-130
1,1,2-Trichloroethane	100	94	6	30	70-130
Tetrachloroethene	103	96	7	30	70-130
Chlorobenzene	98	94	4	30	70-130
1,2-Dichloroethane	110	100	10	30	70-130
1,1,1-Trichloroethane	112	102	9	30	70-130
Bromodichloromethane	106	100	6	30	70-130
trans-1,3-Dichloropropene	101	97	4	30	70-130
cis-1,3-Dichloropropene	86	81	6	30	70-130
Bromoform	102	96	6	30	70-130
1,1,2,2-Tetrachloroethane	93	93	0	30	70-130
Chloromethane	86	80	7	30	70-130
Vinyl chloride	103	92	11	30	70-130
Chloroethane	92	86	7	30	70-130
1,1-Dichloroethene	96	93	3	30	70-130
trans-1,2-Dichloroethene	97	93	4	30	70-130
Trichloroethene	102	81	23	30	70-130
1,2-Dichlorobenzene	90	89	1	30	70-130
1,3-Dichlorobenzene	93	90	3	30	70-130
1,4-Dichlorobenzene	86	85	1	30	70-130
cis-1,2-Dichloroethene	126	90	33	30	70-130
Dichlorodifluoromethane	97	81	18	30	70-130
1,2-Dibromoethane	97	92	5	30	70-130
1,3-Dichloropropane	102	96	6	30	70-130
1,1,1,2-Tetrachloroethane	108	98	10	30	70-130
o-Chlorotoluene	95	93	2	30	70-130
p-Chlorotoluene	92	90	2	30	70-130
Hexachlorobutadiene	81	76	6	30	70-130
1,2,4-Trichlorobenzene	65	70	7	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	117	110	6		70-130
Toluene-d8	101	99	2		70-130
4-Bromofluorobenzene	98	98	0		70-130
Dibromofluoromethane	113	105	7		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604761

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 03-04 (WG235382-5)						
Volatile Organics by MCP 8260B				60 8260B	0409 11:22 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	97.0	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	104	%	70-130			
Blank Analysis for sample(s) 01-02 (WG235382-8)						
Volatile Organics by MCP 8260B				60 8260B	0410 10:41 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604761

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02 (WG235382-8)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0410 10:41 PD	
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	109	%	70-130			
Toluene-d8	96.0	%	70-130			
4-Bromofluorobenzene	102	%	70-130			
Dibromofluoromethane	109	%	70-130			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604761

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604761-01A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-01B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-02A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-02B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-03A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-03B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-04A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0604761-04B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
L0604761-03A	This container has not been properly returned to CUSTODY! It was last assigned to KJOZW for department CUSTODY on 04/05/06 22:45 .

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604775
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 06-APR-2006
Attn: Jeremy Picard	Date Reported: 11-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON WAYLAND	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604775

Date Reported: 11-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604775-01	MW-266M1-20060405-01	WAYLAND, MA
L0604775-02	MW-266M2-20060405-01	WAYLAND, MA
L0604775-03	MW-265M-20060405-01	WAYLAND, MA
L0604775-04	MW-264M-20060405-01	WAYLAND, MA
L0604775-05	MW-262S-20060405-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604775

MCP Related Narratives

Volatile Organics

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

L0604775-01 required re-analysis on a 10x dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

The following samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0604775-03: 40x

L0604775-04: 5x

L0604775-05: 2x

In reference to question E:

The WG235382-7 LCSD % recovery for 1,2,4-Trichlorobenzene is below the acceptance criteria for the method.

WG235382-1,2

The MS % recovery for 1,2,4-Trichlorobenzene is below the acceptance criteria for the method.

The MS/MSD RPD for cis-1,2-Dichloroethene is above the acceptance criteria for the method.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604775-01	Date Collected: 05-APR-2006 09:17
MW-266M1-20060405-01	Date Received : 06-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0409 19:15 PD		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	53	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	22	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	1.2	ug/l	0.75				
Trichloroethene	>100	ug/l	.5				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	>100	ug/l	.5				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604775-01
MW-266M1-20060405-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0409 19:15 PD	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	115	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	116	%	70-130				
Volatile Organics by MCP 8260B				60 8260B		0410 13:10 PD	
Trichloroethene	290	ug/l	5.0				
cis-1,2-Dichloroethene	310	ug/l	5.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	127	%	70-130				
Toluene-d8	96.0	%	70-130				
4-Bromofluorobenzene	103	%	70-130				
Dibromofluoromethane	118	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604775-02 **Date Collected:** 05-APR-2006 10:40
Sample Matrix: MW-266M2-20060405-01 **Date Received :** 06-APR-2006
Condition of Sample: WATER **Date Reported :** 11-APR-2006
Field Prep: None
Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0410 13:47 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	9.7	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	1.8	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604775-02
MW-266M2-20060405-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0410 13:47 PD	
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	125	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	98.0	%		70-130			
Dibromofluoromethane	120	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604775-03	Date Collected:	05-APR-2006 11:45
	MW-265M-20060405-01	Date Received :	06-APR-2006
Sample Matrix:	WATER	Date Reported :	11-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0409 20:27 PD		
Methylene chloride	ND	ug/l	200				
1,1-Dichloroethane	ND	ug/l	30.				
Chloroform	ND	ug/l	30.				
Carbon tetrachloride	ND	ug/l	20.				
1,2-Dichloropropane	ND	ug/l	70.				
Dibromochloromethane	ND	ug/l	20.				
1,1,2-Trichloroethane	ND	ug/l	30.				
Tetrachloroethene	54	ug/l	20.				
Chlorobenzene	ND	ug/l	20.				
1,2-Dichloroethane	ND	ug/l	20.				
1,1,1-Trichloroethane	ND	ug/l	20.				
Bromodichloromethane	ND	ug/l	20.				
trans-1,3-Dichloropropene	ND	ug/l	20.				
cis-1,3-Dichloropropene	ND	ug/l	20.				
Bromoform	ND	ug/l	80.				
1,1,2,2-Tetrachloroethane	ND	ug/l	20.				
Chloromethane	ND	ug/l	100				
Vinyl chloride	310	ug/l	40.				
Chloroethane	ND	ug/l	40.				
1,1-Dichloroethene	ND	ug/l	20.				
trans-1,2-Dichloroethene	ND	ug/l	30.				
Trichloroethene	1100	ug/l	20.				
1,2-Dichlorobenzene	ND	ug/l	100				
1,3-Dichlorobenzene	ND	ug/l	100				
1,4-Dichlorobenzene	ND	ug/l	100				
cis-1,2-Dichloroethene	2300	ug/l	20.				
Dichlorodifluoromethane	ND	ug/l	200				
1,2-Dibromoethane	ND	ug/l	80.				
1,3-Dichloropropane	ND	ug/l	100				
1,1,1,2-Tetrachloroethane	ND	ug/l	20.				
o-Chlorotoluene	ND	ug/l	100				
p-Chlorotoluene	ND	ug/l	100				
Hexachlorobutadiene	ND	ug/l	24.				
1,2,4-Trichlorobenzene	ND	ug/l	100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604775-03
MW-265M-20060405-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 20:27 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	120	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	104	%	70-130				
Dibromofluoromethane	114	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604775-04	Date Collected: 05-APR-2006 13:54
MW-264M-20060405-01	Date Received : 06-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 6-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0409 21:03 PD		
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	7.6	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Vinyl chloride	26	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	59	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	ND	ug/l	12.				
1,4-Dichlorobenzene	ND	ug/l	12.				
cis-1,2-Dichloroethene	200	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	10.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	3.0				
1,2,4-Trichlorobenzene	ND	ug/l	12.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604775-04
MW-264M-20060405-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0409 21:03 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	115	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	114	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604775-05	Date Collected: 05-APR-2006 15:35
MW-262S-20060405-01	Date Received : 06-APR-2006
Sample Matrix: WATER	Date Reported : 11-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0410 10:58 RY		
Methylene chloride	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
Tetrachloroethene	11	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	100	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	1.2				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604775-05
MW-262S-20060405-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0410 10:58 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	119	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	98.0	%	70-130				
Dibromofluoromethane	111	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604775

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01,03-04 (WG235382-3, WG235382-4)					
Methylene chloride	99	106	7	25	70-130
1,1-Dichloroethane	99	94	5	25	70-130
Chloroform	102	110	8	25	70-130
Carbon tetrachloride	113	126	11	25	70-130
1,2-Dichloropropane	100	104	4	25	70-130
Dibromochloromethane	95	98	3	25	70-130
1,1,2-Trichloroethane	96	100	4	25	70-130
Tetrachloroethene	97	110	13	25	70-130
Chlorobenzene	98	103	5	25	70-130
1,2-Dichloroethane	102	105	3	25	70-130
1,1,1-Trichloroethane	106	114	7	25	70-130
Bromodichloromethane	105	111	6	25	70-130
trans-1,3-Dichloropropene	98	100	2	25	70-130
cis-1,3-Dichloropropene	89	89	0	25	70-130
Bromoform	98	101	3	50	70-130
1,1,2,2-Tetrachloroethane	93	91	2	25	70-130
Chloromethane	93	94	1	50	70-130
Vinyl chloride	107	115	7	25	70-130
Chloroethane	95	98	3	25	70-130
1,1-Dichloroethene	105	106	1	25	70-130
trans-1,2-Dichloroethene	101	103	2	25	70-130
Trichloroethene	100	103	3	25	70-130
1,2-Dichlorobenzene	95	97	2	25	70-130
1,3-Dichlorobenzene	98	101	3	25	70-130
1,4-Dichlorobenzene	92	96	4	25	70-130
cis-1,2-Dichloroethene	104	107	3	25	70-130
Dichlorodifluoromethane	103	113	9	50	70-130
1,2-Dibromoethane	93	97	4	25	70-130
1,3-Dichloropropane	98	103	5	25	70-130
1,1,1,2-Tetrachloroethane	102	113	10	25	70-130
o-Chlorotoluene	100	104	4	25	70-130
p-Chlorotoluene	99	101	2	25	70-130
Hexachlorobutadiene	81	88	8	25	70-130
1,2,4-Trichlorobenzene	80	72	11	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	102	108	6		70-130
Toluene-d8	96	97	1		70-130
4-Bromofluorobenzene	100	97	3		70-130
Dibromofluoromethane	107	105	2		70-130
Volatile Organics by MCP 8260B for sample(s) 01-02 (WG235382-6, WG235382-7)					
Methylene chloride	99	100	1	25	70-130
1,1-Dichloroethane	101	99	2	25	70-130
Chloroform	101	103	2	25	70-130
Carbon tetrachloride	114	115	1	25	70-130
1,2-Dichloropropane	98	98	0	25	70-130
Dibromochloromethane	96	93	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604775

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-02 (WG235382-6, WG235382-7)					
1,1,2-Trichloroethane	98	98	0	25	70-130
Tetrachloroethene	102	101	1	25	70-130
Chlorobenzene	98	98	0	25	70-130
1,2-Dichloroethane	102	106	4	25	70-130
1,1,1-Trichloroethane	108	110	2	25	70-130
Bromodichloromethane	102	104	2	25	70-130
trans-1,3-Dichloropropene	100	99	1	25	70-130
cis-1,3-Dichloropropene	88	82	7	25	70-130
Bromoform	100	101	1	50	70-130
1,1,2,2-Tetrachloroethane	90	86	5	25	70-130
Chloromethane	91	90	1	50	70-130
Vinyl chloride	105	105	0	25	70-130
Chloroethane	92	90	2	25	70-130
1,1-Dichloroethene	104	93	11	25	70-130
trans-1,2-Dichloroethene	100	96	4	25	70-130
Trichloroethene	97	92	5	25	70-130
1,2-Dichlorobenzene	92	89	3	25	70-130
1,3-Dichlorobenzene	98	92	6	25	70-130
1,4-Dichlorobenzene	91	87	4	25	70-130
cis-1,2-Dichloroethene	102	98	4	25	70-130
Dichlorodifluoromethane	100	104	4	50	70-130
1,2-Dibromoethane	96	88	9	25	70-130
1,3-Dichloropropane	98	96	2	25	70-130
1,1,1,2-Tetrachloroethane	104	104	0	25	70-130
o-Chlorotoluene	97	93	4	25	70-130
p-Chlorotoluene	94	89	5	25	70-130
Hexachlorobutadiene	86	82	5	25	70-130
1,2,4-Trichlorobenzene	73	65	12	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	106	108	2		70-130
Toluene-d8	98	97	1		70-130
4-Bromofluorobenzene	98	94	4		70-130
Dibromofluoromethane	105	111	6		70-130
Volatile Organics by MCP 8260B for sample(s) 05 (WG235447-1, WG235447-2)					
Methylene chloride	95	97	2	25	70-130
1,1-Dichloroethane	103	101	2	25	70-130
Chloroform	100	98	2	25	70-130
Carbon tetrachloride	90	91	1	25	70-130
1,2-Dichloropropane	100	99	1	25	70-130
Dibromochloromethane	86	88	2	25	70-130
1,1,2-Trichloroethane	92	93	1	25	70-130
Tetrachloroethene	99	90	10	25	70-130
Chlorobenzene	94	93	1	25	70-130
Trichlorofluoromethane	119	114	4	25	70-130
1,2-Dichloroethane	102	105	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604775

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 05 (WG235447-1, WG235447-2)					
1,1,1-Trichloroethane	102	100	2	25	70-130
Bromodichloromethane	99	101	2	25	70-130
trans-1,3-Dichloropropene	77	80	4	25	70-130
cis-1,3-Dichloropropene	76	80	5	25	70-130
1,1-Dichloropropene	101	99	2	25	70-130
Bromoform	90	94	4	50	70-130
1,1,2,2-Tetrachloroethane	82	88	7	25	70-130
Benzene	100	98	2	25	70-130
Toluene	99	93	6	25	70-130
Ethylbenzene	100	96	4	25	70-130
Chloromethane	106	102	4	50	70-130
Bromomethane	92	90	2	50	70-130
Vinyl chloride	110	104	6	25	70-130
Chloroethane	101	97	4	25	70-130
1,1-Dichloroethene	93	93	0	25	70-130
trans-1,2-Dichloroethene	94	94	0	25	70-130
Trichloroethene	98	96	2	25	70-130
1,2-Dichlorobenzene	87	88	1	25	70-130
1,3-Dichlorobenzene	92	90	2	25	70-130
1,4-Dichlorobenzene	92	90	2	25	70-130
Methyl tert butyl ether	83	91	9	25	70-130
p/m-Xylene	103	99	4	25	70-130
o-Xylene	102	100	2	25	70-130
cis-1,2-Dichloroethene	98	96	2	25	70-130
Dibromomethane	97	101	4	25	70-130
1,2,3-Trichloropropane	92	98	6	25	70-130
Styrene	104	102	2	25	70-130
Dichlorodifluoromethane	80	78	3	50	70-130
Acetone	118	129	9	50	70-130
Carbon disulfide	85	82	4	25	70-130
2-Butanone	97	107	10	50	70-130
4-Methyl-2-pentanone	81	93	14	50	70-130
2-Hexanone	88	98	11	50	70-130
Bromochloromethane	96	98	2	25	70-130
Tetrahydrofuran	82	96	16	25	70-130
2,2-Dichloropropane	81	82	1	50	70-130
1,2-Dibromoethane	84	89	6	25	70-130
1,3-Dichloropropane	89	92	3	25	70-130
1,1,1,2-Tetrachloroethane	97	95	2	25	70-130
Bromobenzene	90	87	3	25	70-130
n-Butylbenzene	103	98	5	25	70-130
sec-Butylbenzene	97	92	5	25	70-130
tert-Butylbenzene	96	92	4	25	70-130
o-Chlorotoluene	100	96	4	25	70-130
p-Chlorotoluene	97	93	4	25	70-130
1,2-Dibromo-3-chloropropane	80	92	14	50	70-130
Hexachlorobutadiene	81	81	0	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604775

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 05 (WG235447-1, WG235447-2)					
Isopropylbenzene	109	106	3	25	70-130
p-Isopropyltoluene	97	93	4	25	70-130
Naphthalene	72	81	12	25	70-130
n-Propylbenzene	100	94	6	25	70-130
1,2,3-Trichlorobenzene	75	81	8	25	70-130
1,2,4-Trichlorobenzene	76	82	8	25	70-130
1,3,5-Trimethylbenzene	98	95	3	25	70-130
1,2,4-Trimethylbenzene	96	92	4	25	70-130
Ethyl ether	89	98	10	25	70-130
Isopropyl Ether	101	102	1	25	70-130
Ethyl-Tert-Butyl-Ether	84	90	7	25	70-130
Tertiary-Amyl Methyl Ether	75	80	6	25	70-130
1,4-Dioxane	87	100	14	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	127	115	10		70-130
Toluene-d8	107	101	6		70-130
4-Bromofluorobenzene	96	94	2		70-130
Dibromofluoromethane	116	110	5		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0604775

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01-04 (L0604775-04, WG235382-2)					
Methylene chloride	99	93	6	30	70-130
1,1-Dichloroethane	104	94	10	30	70-130
Chloroform	107	97	10	30	70-130
Carbon tetrachloride	119	107	11	30	70-130
1,2-Dichloropropane	105	97	8	30	70-130
Dibromochloromethane	95	92	3	30	70-130
1,1,2-Trichloroethane	100	94	6	30	70-130
Tetrachloroethene	103	96	7	30	70-130
Chlorobenzene	98	94	4	30	70-130
1,2-Dichloroethane	110	100	10	30	70-130
1,1,1-Trichloroethane	112	102	9	30	70-130
Bromodichloromethane	106	100	6	30	70-130
trans-1,3-Dichloropropene	101	97	4	30	70-130
cis-1,3-Dichloropropene	86	81	6	30	70-130
Bromoform	102	96	6	30	70-130
1,1,2,2-Tetrachloroethane	93	93	0	30	70-130
Chloromethane	86	80	7	30	70-130
Vinyl chloride	103	92	11	30	70-130
Chloroethane	92	86	7	30	70-130
1,1-Dichloroethene	96	93	3	30	70-130
trans-1,2-Dichloroethene	97	93	4	30	70-130
Trichloroethene	102	81	23	30	70-130
1,2-Dichlorobenzene	90	89	1	30	70-130
1,3-Dichlorobenzene	93	90	3	30	70-130
1,4-Dichlorobenzene	86	85	1	30	70-130
cis-1,2-Dichloroethene	126	90	33	30	70-130
Dichlorodifluoromethane	97	81	18	30	70-130
1,2-Dibromoethane	97	92	5	30	70-130
1,3-Dichloropropane	102	96	6	30	70-130
1,1,1,2-Tetrachloroethane	108	98	10	30	70-130
o-Chlorotoluene	95	93	2	30	70-130
p-Chlorotoluene	92	90	2	30	70-130
Hexachlorobutadiene	81	76	6	30	70-130
1,2,4-Trichlorobenzene	65	70	7	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	117	110	6		70-130
Toluene-d8	101	99	2		70-130
4-Bromofluorobenzene	98	98	0		70-130
Dibromofluoromethane	113	105	7		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604775

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01,03-04 (WG235382-5)						
Volatile Organics by MCP 8260B						
				60 8260B	0409 11:22 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	97.0	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	104	%	70-130			
Blank Analysis for sample(s) 01-02 (WG235382-8)						
Volatile Organics by MCP 8260B						
				60 8260B	0410 10:41 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604775

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02 (WG235382-8)						
Volatile Organics by MCP 8260B cont'd						
				60 8260B	0410 10:41 PD	
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	109	%	70-130			
Toluene-d8	96.0	%	70-130			
4-Bromofluorobenzene	102	%	70-130			
Dibromofluoromethane	109	%	70-130			
Blank Analysis for sample(s) 05 (WG235447-3)						
Volatile Organics by MCP 8260B						
				60 8260B	0410 10:22 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604775

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 05 (WG235447-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0410 10:22 RY	
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604775

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 05 (WG235447-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0410 10:22 RY	
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	120	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	98.0	%	70-130			
Dibromofluoromethane	111	%	70-130			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

**ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION**

Laboratory Job Number: L0604775

Were project specific reporting limits specified? YES

Cooler Information

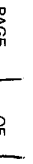
Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604775-01A	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-01B	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-02A	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-02B	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-03A	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-03B	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04A	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04B	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04C	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04D	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04E	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-04F	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-05A	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04
L0604775-05B	Vial HCl preserved	A	N/A	0.8 C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
L0604775-01A	This container has not been properly returned to CUSTODY! It was last assigned to LKING for department CUSTODY on 04/06/06 17:16 .



Wharfedale

can vary from

1981

PMV P1000

-

BRUSH (only confirmed if no-000000)

Time:

2004

• •

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials							(Please specify below) Sample Specific Comments
		Date	Time									
060475-01	MW-2006M ^B -20000405-01 ^{RMS}	4/5/06	9:17	GW	K/M	X	VOC					
-02	MW-2006M ^A -20000405-01	4/5/06	10:40	GW	K/M	X						2
03	MW-2005M-20000405-01	4/5/06	11:45	GW	K/M	X						2
04	MW-2004M-20000405-01	4/5/06	13:54	GW	K/M	X						2
	MW-2004M-20000405-01-M8	4/5/06	13:54	GW	K/M	X						2
	MW-2004M-20000405-01-MSD	4/5/06	13:54	GW	K/M	X						2
05	MW-2002S-20000405-01	4/5/06	14:35 ^{RMS}	GW	K/M	X						2

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR

PROJECT

MCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and

completely. Samples can not be logged in and turnaround time clock

resolved. All samples submitted are

subject to chapter's alignment, limits.
See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604972
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 07-APR-2006
Attn: Jeremy Picard	Date Reported: 14-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON GW SAMPLING	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? n/a

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604972

Date Reported: 14-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604972-01	MW-556M-20060406-01	WAYLAND, MA
L0604972-02	MW-556D-20060406-01	WAYLAND, MA
L0604972-03	DUP-004-20060406-01	WAYLAND, MA
L0604972-04	MW-556S-20060406-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604972

Volatile Organics

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604972-01	Date Collected:	06-APR-2006 17:45
	MW-556M-20060406-01	Date Received :	07-APR-2006
Sample Matrix:	WATER	Date Reported :	14-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers: 2-Vial			

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 17:54 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604972-01
MW-556M-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 17:54 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	111	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	87.0	%	70-130				
Dibromofluoromethane	107	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604972-02	Date Collected: 06-APR-2006 17:30
MW-556D-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 18:30 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604972-02
MW-556D-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 18:30 RY	
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	113	%		70-130			
Toluene-d8	100	%		70-130			
4-Bromofluorobenzene	89.0	%		70-130			
Dibromofluoromethane	108	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604972-03	Date Collected: 06-APR-2006 00:00
	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 19:07 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	0.86	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	2.7	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604972-03
DUP-004-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 19:07 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	109	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	96.0	%	70-130				
Dibromofluoromethane	104	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604972-04 **Date Collected:** 06-APR-2006 17:40
Sample Matrix: MW-556S-20060406-01 **Date Received :** 07-APR-2006
Condition of Sample: WATER **Date Reported :** 14-APR-2006
Field Prep: None
Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0412 19:43 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604972-04
MW-556S-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 19:43 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	113	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	93.0	%	70-130				
Dibromofluoromethane	105	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604972

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-04 (WG235883-1, WG235883-2)					
Methylene chloride	108	106	2	25	70-130
1,1-Dichloroethane	111	108	3	25	70-130
Chloroform	113	107	5	25	70-130
Carbon tetrachloride	130	118	10	25	70-130
1,2-Dichloropropane	112	109	3	25	70-130
Dibromochloromethane	103	101	2	25	70-130
1,1,2-Trichloroethane	107	104	3	25	70-130
Tetrachloroethene	115	106	8	25	70-130
Chlorobenzene	107	103	4	25	70-130
Trichlorofluoromethane	119	109	9	25	70-130
1,2-Dichloroethane	117	110	6	25	70-130
1,1,1-Trichloroethane	122	113	8	25	70-130
Bromodichloromethane	113	109	4	25	70-130
trans-1,3-Dichloropropene	107	102	5	25	70-130
cis-1,3-Dichloropropene	97	95	2	25	70-130
1,1-Dichloropropene	113	107	5	25	70-130
Bromoform	105	102	3	50	70-130
1,1,2,2-Tetrachloroethane	94	98	4	25	70-130
Benzene	111	107	4	25	70-130
Toluene	111	102	8	25	70-130
Ethylbenzene	116	107	8	25	70-130
Chloromethane	86	83	4	50	70-130
Bromomethane	78	84	7	50	70-130
Vinyl chloride	106	98	8	25	70-130
Chloroethane	97	94	3	25	70-130
1,1-Dichloroethene	104	103	1	25	70-130
trans-1,2-Dichloroethene	105	103	2	25	70-130
Trichloroethene	110	105	5	25	70-130
1,2-Dichlorobenzene	98	98	0	25	70-130
1,3-Dichlorobenzene	107	102	5	25	70-130
1,4-Dichlorobenzene	97	94	3	25	70-130
Methyl tert butyl ether	101	107	6	25	70-130
p/m-Xylene	114	106	7	25	70-130
o-Xylene	111	103	7	25	70-130
cis-1,2-Dichloroethene	114	110	4	25	70-130
Dibromomethane	110	107	3	25	70-130
1,2,3-Trichloropropane	107	109	2	25	70-130
Styrene	107	100	7	25	70-130
Dichlorodifluoromethane	90	79	13	50	70-130
Acetone	101	92	9	50	70-130
Carbon disulfide	104	95	9	25	70-130
2-Butanone	92	98	6	50	70-130
4-Methyl-2-pentanone	86	89	3	50	70-130
2-Hexanone	100	102	2	50	70-130
Bromochloromethane	113	108	5	25	70-130
Tetrahydrofuran	93	93	0	25	70-130
2,2-Dichloropropane	120	113	6	50	70-130
1,2-Dibromoethane	100	99	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604972

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-04 (WG235883-1, WG235883-2)					
1,3-Dichloropropane	105	102	3	25	70-130
1,1,1,2-Tetrachloroethane	116	107	8	25	70-130
Bromobenzene	103	101	2	25	70-130
n-Butylbenzene	101	96	5	25	70-130
sec-Butylbenzene	99	94	5	25	70-130
tert-Butylbenzene	106	104	2	25	70-130
o-Chlorotoluene	107	105	2	25	70-130
p-Chlorotoluene	102	99	3	25	70-130
1,2-Dibromo-3-chloropropane	81	85	5	50	70-130
Hexachlorobutadiene	100	90	11	25	70-130
Isopropylbenzene	116	108	7	25	70-130
p-Isopropyltoluene	97	92	5	25	70-130
Naphthalene	86	82	5	25	70-130
n-Propylbenzene	111	107	4	25	70-130
1,2,3-Trichlorobenzene	79	83	5	25	70-130
1,2,4-Trichlorobenzene	80	83	4	25	70-130
1,3,5-Trimethylbenzene	110	107	3	25	70-130
1,2,4-Trimethylbenzene	103	102	1	25	70-130
Ethyl ether	105	108	3	25	70-130
Isopropyl Ether	94	97	3	25	70-130
Ethyl-Tert-Butyl-Ether	94	99	5	25	70-130
Tertiary-Amyl Methyl Ether	90	92	2	25	70-130
1,4-Dioxane	83	89	7	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	113	111	2		70-130
Toluene-d8	98	99	1		70-130
4-Bromofluorobenzene	98	101	3		70-130
Dibromofluoromethane	111	106	5		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604972

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-04 (WG235883-3)						
Volatile Organics by MCP 8260B				60 8260B	0412 17:18 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604972

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-04 (WG235883-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0412 17:18 RY	
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	110	%		70-130		
Toluene-d8	98.0	%		70-130		
4-Bromofluorobenzene	103	%		70-130		
Dibromofluoromethane	105	%		70-130		

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604972

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604972-01A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-01B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-02A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-02B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-03A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-03B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-04A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604972-04B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
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CHAIN OF CUSTODY

PAGE 1 OF 1

Westborough, MA 01581
Eight Walkup Drive
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: CRH

Address: 399 Boylston St

Phone: 617-646-7800

Fax:

Email: jeremy.pierce@crh.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Routhman 641 Sample

Project Location: Wayland MA

Project #: 42935

Project Manager: J. Pierce

Alpha Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 4/14 Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

Are MCP Analytical Methods Required?

Are Drinking Water Samples Submitted?

Have you met minimum field QC requirements?

Are you met minimum field QC requirements?

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Are you met minimum field QC requirements?

ALPHA Job #:

Billing Information

Same as Client info

PO #:

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SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0604978
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 07-APR-2006
Attn: Jeremy Picard	Date Reported: 14-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON GW SAMPLING	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? N/A

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0604978

Date Reported: 14-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604978-01	DEP-19M-20060406-01	WAYLAND, MA
L0604978-02	DUP-002-20060406-01	WAYLAND, MA
L0604978-03	MW-554MA-20060406-01	WAYLAND, MA
L0604978-04	MW-554S-20060406-01	WAYLAND, MA
L0604978-05	MW-554MB-20060406-01	WAYLAND, MA
L0604978-06	MW-554D-20060406-01	WAYLAND, MA
L0604978-07	MW-555S-20060406-01	WAYLAND, MA
L0604978-08	MW-555MA-20060406-01	WAYLAND, MA
L0604978-09	MW-555MB-20060406-01	WAYLAND, MA
L0604978-10	MW-555D-20060406-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604978

Volatile Organics

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

In reference to question E:

The WG235900-1,2 LCS has a low recovery for dichlorodifluoromethane and 1,4-dioxane (in the LCS), both difficult analytes.

The WG235900-4,5 LCS has a low recovery for dichlorodifluoromethane and 1,4-dioxane (in the LCS), both difficult analytes.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-01	Date Collected: 06-APR-2006 11:16
DEP-19M-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 20:57 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	0.61	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	4.0	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	24	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-01
DEP-19M-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 20:57 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	115	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	114	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604978-02	Date Collected:	06-APR-2006 00:00
	DUP-002-20060406-01	Date Received :	07-APR-2006
Sample Matrix:	WATER	Date Reported :	14-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers: 2-Vial			

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0412 21:33 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	0.61	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	4.2	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	24	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-02
DUP-002-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 21:33 RY	
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	120	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	100	%		70-130			
Dibromofluoromethane	113	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604978-03	Date Collected:	06-APR-2006 12:25
	MW-554MA-20060406-01	Date Received :	07-APR-2006
Sample Matrix:	WATER	Date Reported :	14-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 22:10 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-03
MW-554MA-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0412 22:10 RY		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	117	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	93.0	%	70-130				
Dibromofluoromethane	113	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0604978-04	Date Collected:	06-APR-2006 12:00
	MW-554S-20060406-01	Date Received :	07-APR-2006
Sample Matrix:	WATER	Date Reported :	14-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers: 2-Vial			

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 22:47 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-04
MW-554S-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 22:47 RY	
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	119	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	87.0	%		70-130			
Dibromofluoromethane	116	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-05	Date Collected: 06-APR-2006 14:00
MW-554MB-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0412 23:23 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-05
MW-554MB-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 23:23 RY	
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	123	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	86.0	%		70-130			
Dibromofluoromethane	114	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-06	Date Collected: 06-APR-2006 13:50
MW-554D-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0413 09:50 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-06
MW-554D-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0413 09:50 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	94.0	%	70-130				
Dibromofluoromethane	119	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-07
MW-555S-20060406-01
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 2-Vial

Date Collected: 06-APR-2006 16:20
Date Received : 07-APR-2006
Date Reported : 14-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0413 02:58 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-07
MW-555S-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B	0413 02:58 PD		
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	116	%	70-130				
Toluene-d8	94.0	%	70-130				
4-Bromofluorobenzene	93.0	%	70-130				
Dibromofluoromethane	122	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-08	Date Collected: 06-APR-2006 15:25
MW-555MA-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0413 00:00 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-08
MW-555MA-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0413 00:00 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	118	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	95.0	%	70-130				
Dibromofluoromethane	112	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-09	Date Collected: 06-APR-2006 15:55
MW-555MB-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0413 00:36 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-09
MW-555MB-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0413 00:36 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	118	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	92.0	%	70-130				
Dibromofluoromethane	111	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604978-10	Date Collected: 06-APR-2006 15:35
MW-555D-20060406-01	Date Received : 07-APR-2006
Sample Matrix: WATER	Date Reported : 14-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0413 01:13 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	0.79	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	2.4	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604978-10
MW-555D-20060406-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B cont'd				60 8260B		0413 01:13 RY	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	118	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	100	%	70-130				
Dibromofluoromethane	116	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604978

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-05,08-10 (WG235883-1, WG235883-2)					
Methylene chloride	108	106	2	25	70-130
1,1-Dichloroethane	111	108	3	25	70-130
Chloroform	113	107	5	25	70-130
Carbon tetrachloride	130	118	10	25	70-130
1,2-Dichloropropane	112	109	3	25	70-130
Dibromochloromethane	103	101	2	25	70-130
1,1,2-Trichloroethane	107	104	3	25	70-130
Tetrachloroethene	115	106	8	25	70-130
Chlorobenzene	107	103	4	25	70-130
Trichlorofluoromethane	119	109	9	25	70-130
1,2-Dichloroethane	117	110	6	25	70-130
1,1,1-Trichloroethane	122	113	8	25	70-130
Bromodichloromethane	113	109	4	25	70-130
trans-1,3-Dichloropropene	107	102	5	25	70-130
cis-1,3-Dichloropropene	97	95	2	25	70-130
1,1-Dichloropropene	113	107	5	25	70-130
Bromoform	105	102	3	50	70-130
1,1,2,2-Tetrachloroethane	94	98	4	25	70-130
Benzene	111	107	4	25	70-130
Toluene	111	102	8	25	70-130
Ethylbenzene	116	107	8	25	70-130
Chloromethane	86	83	4	50	70-130
Bromomethane	78	84	7	50	70-130
Vinyl chloride	106	98	8	25	70-130
Chloroethane	97	94	3	25	70-130
1,1-Dichloroethene	104	103	1	25	70-130
trans-1,2-Dichloroethene	105	103	2	25	70-130
Trichloroethene	110	105	5	25	70-130
1,2-Dichlorobenzene	98	98	0	25	70-130
1,3-Dichlorobenzene	107	102	5	25	70-130
1,4-Dichlorobenzene	97	94	3	25	70-130
Methyl tert butyl ether	101	107	6	25	70-130
p/m-Xylene	114	106	7	25	70-130
o-Xylene	111	103	7	25	70-130
cis-1,2-Dichloroethene	114	110	4	25	70-130
Dibromomethane	110	107	3	25	70-130
1,2,3-Trichloropropane	107	109	2	25	70-130
Styrene	107	100	7	25	70-130
Dichlorodifluoromethane	90	79	13	50	70-130
Acetone	101	92	9	50	70-130
Carbon disulfide	104	95	9	25	70-130
2-Butanone	92	98	6	50	70-130
4-Methyl-2-pentanone	86	89	3	50	70-130
2-Hexanone	100	102	2	50	70-130
Bromochloromethane	113	108	5	25	70-130
Tetrahydrofuran	93	93	0	25	70-130
2,2-Dichloropropane	120	113	6	50	70-130
1,2-Dibromoethane	100	99	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604978

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-05,08-10 (WG235883-1, WG235883-2)					
1,3-Dichloropropane	105	102	3	25	70-130
1,1,1,2-Tetrachloroethane	116	107	8	25	70-130
Bromobenzene	103	101	2	25	70-130
n-Butylbenzene	101	96	5	25	70-130
sec-Butylbenzene	99	94	5	25	70-130
tert-Butylbenzene	106	104	2	25	70-130
o-Chlorotoluene	107	105	2	25	70-130
p-Chlorotoluene	102	99	3	25	70-130
1,2-Dibromo-3-chloropropane	81	85	5	50	70-130
Hexachlorobutadiene	100	90	11	25	70-130
Isopropylbenzene	116	108	7	25	70-130
p-Isopropyltoluene	97	92	5	25	70-130
Naphthalene	86	82	5	25	70-130
n-Propylbenzene	111	107	4	25	70-130
1,2,3-Trichlorobenzene	79	83	5	25	70-130
1,2,4-Trichlorobenzene	80	83	4	25	70-130
1,3,5-Trimethylbenzene	110	107	3	25	70-130
1,2,4-Trimethylbenzene	103	102	1	25	70-130
Ethyl ether	105	108	3	25	70-130
Isopropyl Ether	94	97	3	25	70-130
Ethyl-Tert-Butyl-Ether	94	99	5	25	70-130
Tertiary-Amyl Methyl Ether	90	92	2	25	70-130
1,4-Dioxane	83	89	7	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	113	111	2		70-130
Toluene-d8	98	99	1		70-130
4-Bromofluorobenzene	98	101	3		70-130
Dibromofluoromethane	111	106	5		70-130
Volatile Organics by MCP 8260B for sample(s) 07 (WG235900-1, WG235900-2)					
Methylene chloride	96	94	2	25	70-130
1,1-Dichloroethane	100	96	4	25	70-130
Chloroform	94	91	3	25	70-130
Carbon tetrachloride	100	95	5	25	70-130
1,2-Dichloropropane	100	98	2	25	70-130
Dibromochloromethane	95	97	2	25	70-130
1,1,2-Trichloroethane	106	104	2	25	70-130
Tetrachloroethene	108	107	1	25	70-130
Chlorobenzene	102	104	2	25	70-130
Trichlorofluoromethane	94	91	3	25	70-130
1,2-Dichloroethane	104	100	4	25	70-130
1,1,1-Trichloroethane	100	96	4	25	70-130
Bromodichloromethane	100	98	2	25	70-130
trans-1,3-Dichloropropene	94	96	2	25	70-130
cis-1,3-Dichloropropene	91	92	1	25	70-130
1,1-Dichloropropene	95	92	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604978

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 07 (WG235900-1, WG235900-2)					
Bromoform	95	97	2	50	70-130
1,1,2,2-Tetrachloroethane	107	108	1	25	70-130
Benzene	101	96	5	25	70-130
Toluene	100	101	1	25	70-130
Ethylbenzene	102	101	1	25	70-130
Chloromethane	77	74	4	50	70-130
Bromomethane	94	90	4	50	70-130
Vinyl chloride	88	84	5	25	70-130
Chloroethane	91	86	6	25	70-130
1,1-Dichloroethene	89	86	3	25	70-130
trans-1,2-Dichloroethene	94	91	3	25	70-130
Trichloroethene	100	96	4	25	70-130
1,2-Dichlorobenzene	96	99	3	25	70-130
1,3-Dichlorobenzene	103	103	0	25	70-130
1,4-Dichlorobenzene	98	101	3	25	70-130
Methyl tert butyl ether	95	97	2	25	70-130
p/m-Xylene	106	105	1	25	70-130
o-Xylene	100	100	0	25	70-130
cis-1,2-Dichloroethene	102	98	4	25	70-130
Dibromomethane	104	102	2	25	70-130
1,2,3-Trichloropropane	102	106	4	25	70-130
Styrene	102	102	0	25	70-130
Dichlorodifluoromethane	50	50	0	50	70-130
Acetone	101	100	1	50	70-130
Carbon disulfide	96	91	5	25	70-130
2-Butanone	101	99	2	50	70-130
4-Methyl-2-pentanone	91	91	0	50	70-130
2-Hexanone	88	91	3	50	70-130
Bromochloromethane	103	101	2	25	70-130
Tetrahydrofuran	82	86	5	25	70-130
2,2-Dichloropropane	95	93	2	50	70-130
1,2-Dibromoethane	94	97	3	25	70-130
1,3-Dichloropropane	100	103	3	25	70-130
1,1,1,2-Tetrachloroethane	105	106	1	25	70-130
Bromobenzene	99	103	4	25	70-130
n-Butylbenzene	90	90	0	25	70-130
sec-Butylbenzene	94	95	1	25	70-130
tert-Butylbenzene	95	96	1	25	70-130
o-Chlorotoluene	100	102	2	25	70-130
p-Chlorotoluene	100	100	0	25	70-130
1,2-Dibromo-3-chloropropane	98	98	0	50	70-130
Hexachlorobutadiene	90	95	5	25	70-130
Isopropylbenzene	105	104	1	25	70-130
p-Isopropyltoluene	95	97	2	25	70-130
Naphthalene	74	78	5	25	70-130
n-Propylbenzene	100	101	1	25	70-130
1,2,3-Trichlorobenzene	82	85	4	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604978

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 07 (WG235900-1, WG235900-2)					
1,2,4-Trichlorobenzene	78	83	6	25	70-130
1,3,5-Trimethylbenzene	95	97	2	25	70-130
1,2,4-Trimethylbenzene	97	98	1	25	70-130
Ethyl ether	96	102	6	25	70-130
Isopropyl Ether	90	91	1	25	70-130
Ethyl-Tert-Butyl-Ether	87	90	3	25	70-130
Tertiary-Amyl Methyl Ether	88	89	1	25	70-130
1,4-Dioxane	66	77	15	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	95	99	4		70-130
Toluene-d8	91	99	8		70-130
4-Bromofluorobenzene	83	93	11		70-130
Dibromofluoromethane	98	102	4		70-130
Volatile Organics by MCP 8260B for sample(s) 06 (WG235900-4, WG235900-5)					
Methylene chloride	101	102	1	25	70-130
1,1-Dichloroethane	110	104	6	25	70-130
Chloroform	102	100	2	25	70-130
Carbon tetrachloride	109	107	2	25	70-130
1,2-Dichloropropane	106	105	1	25	70-130
Dibromochloromethane	99	104	5	25	70-130
1,1,2-Trichloroethane	109	112	3	25	70-130
Tetrachloroethene	117	114	3	25	70-130
Chlorobenzene	112	110	2	25	70-130
Trichlorofluoromethane	104	104	0	25	70-130
1,2-Dichloroethane	114	112	2	25	70-130
1,1,1-Trichloroethane	108	107	1	25	70-130
Bromodichloromethane	104	105	1	25	70-130
trans-1,3-Dichloropropene	99	103	4	25	70-130
cis-1,3-Dichloropropene	96	98	2	25	70-130
1,1-Dichloropropene	103	102	1	25	70-130
Bromoform	94	101	7	50	70-130
1,1,2,2-Tetrachloroethane	109	115	5	25	70-130
Benzene	108	107	1	25	70-130
Toluene	110	109	1	25	70-130
Ethylbenzene	111	110	1	25	70-130
Chloromethane	80	81	1	50	70-130
Bromomethane	93	95	2	50	70-130
Vinyl chloride	97	94	3	25	70-130
Chloroethane	95	96	1	25	70-130
1,1-Dichloroethene	94	97	3	25	70-130
trans-1,2-Dichloroethene	100	101	1	25	70-130
Trichloroethene	103	101	2	25	70-130
1,2-Dichlorobenzene	102	104	2	25	70-130
1,3-Dichlorobenzene	109	109	0	25	70-130
1,4-Dichlorobenzene	104	104	0	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0604978

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 06 (WG235900-4, WG235900-5)					
Methyl tert butyl ether	96	102	6	25	70-130
p/m-Xylene	113	114	1	25	70-130
o-Xylene	107	107	0	25	70-130
cis-1,2-Dichloroethene	105	109	4	25	70-130
Dibromomethane	109	112	3	25	70-130
1,2,3-Trichloropropane	106	110	4	25	70-130
Styrene	108	108	0	25	70-130
Dichlorodifluoromethane	53	54	2	50	70-130
Acetone	104	114	9	50	70-130
Carbon disulfide	99	98	1	25	70-130
2-Butanone	100	106	6	50	70-130
4-Methyl-2-pentanone	94	96	2	50	70-130
2-Hexanone	90	94	4	50	70-130
Bromochloromethane	108	112	4	25	70-130
Tetrahydrofuran	85	92	8	25	70-130
2,2-Dichloropropane	103	103	0	50	70-130
1,2-Dibromoethane	99	104	5	25	70-130
1,3-Dichloropropane	106	109	3	25	70-130
1,1,1,2-Tetrachloroethane	110	113	3	25	70-130
Bromobenzene	106	106	0	25	70-130
n-Butylbenzene	94	95	1	25	70-130
sec-Butylbenzene	100	100	0	25	70-130
tert-Butylbenzene	101	101	0	25	70-130
o-Chlorotoluene	108	107	1	25	70-130
p-Chlorotoluene	105	105	0	25	70-130
1,2-Dibromo-3-chloropropane	95	99	4	50	70-130
Hexachlorobutadiene	97	98	1	25	70-130
Isopropylbenzene	112	112	0	25	70-130
p-Isopropyltoluene	102	101	1	25	70-130
Naphthalene	74	82	10	25	70-130
n-Propylbenzene	108	107	1	25	70-130
1,2,3-Trichlorobenzene	86	92	7	25	70-130
1,2,4-Trichlorobenzene	80	87	8	25	70-130
1,3,5-Trimethylbenzene	103	103	0	25	70-130
1,2,4-Trimethylbenzene	104	103	1	25	70-130
Ethyl ether	102	111	8	25	70-130
Isopropyl Ether	93	96	3	25	70-130
Ethyl-Tert-Butyl-Ether	90	94	4	25	70-130
Tertiary-Amyl Methyl Ether	89	93	4	25	70-130
1,4-Dioxane	69	88	24	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	116	114	2		70-130
Toluene-d8	109	113	4		70-130
4-Bromofluorobenzene	99	104	5		70-130
Dibromofluoromethane	114	112	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-05,08-10 (WG235883-3)							
Volatile Organics by MCP 8260B			60 8260B		0412 17:18 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-05,08-10 (WG235883-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0412 17:18 RY	
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	110	%	70-130			
Toluene-d8	98.0	%	70-130			
4-Bromofluorobenzene	103	%	70-130			
Dibromofluoromethane	105	%	70-130			
Blank Analysis for sample(s) 07 (WG235900-3)						
Volatile Organics by MCP 8260B				60 8260B	0412 16:49 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 07 (WG235900-3)							
Volatile Organics by MCP 8260B cont'd				60 8260B		0412 16:49 PD	
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 07 (WG235900-3)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0412 16:49 PD	
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			
1,4-Dioxane	ND	ug/l	250			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	99.0	%	70-130			
Toluene-d8	93.0	%	70-130			
4-Bromofluorobenzene	93.0	%	70-130			
Dibromofluoromethane	104	%	70-130			
Blank Analysis for sample(s) 06 (WG235900-6)						
Volatile Organics by MCP 8260B				60 8260B	0413 09:09 PD	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 06 (WG235900-6)						
Volatile Organics by MCP 8260B cont'd				60 8260B	0413 09:09 PD	
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,2,3-Trichloropropane	ND	ug/l	5.0			
Styrene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	5.0			
Acetone	ND	ug/l	5.0			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	5.0			
4-Methyl-2-pentanone	ND	ug/l	5.0			
2-Hexanone	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			
2,2-Dichloropropane	ND	ug/l	2.5			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	ND	ug/l	0.50			
sec-Butylbenzene	ND	ug/l	0.50			
tert-Butylbenzene	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	0.60			
Isopropylbenzene	ND	ug/l	0.50			
p-Isopropyltoluene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	2.5			
n-Propylbenzene	ND	ug/l	0.50			
1,2,3-Trichlorobenzene	ND	ug/l	2.5			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			
1,3,5-Trimethylbenzene	ND	ug/l	2.5			
1,2,4-Trimethylbenzene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Isopropyl Ether	ND	ug/l	2.0			
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0			
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604978

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 06 (WG235900-6)							
Volatile Organics by MCP 8260B cont'd				60 8260B	0413 09:09 PD		
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	114	%	70-130				
Toluene-d8	103	%	70-130				
4-Bromofluorobenzene	104	%	70-130				
Dibromofluoromethane	117	%	70-130				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0604978

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0604978-01A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-01B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-02A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-02B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-03A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-03B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-04A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-04B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-05A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-05B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-06A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-06B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-07A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-07B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-08A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-08B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-09A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-09B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-10A	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04
L0604978-10B	Vial HCl preserved	A	N/A	2.0C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments
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<input checked="" type="checkbox"/> Same as Client info	PO #:
---	-------

☒ Same as Client info

1000

63-1

MCP PRESUMPTIVE CERTAINTY: THESE QUESTIONS MUST BE ANSWERED

☐ Yes
☒ No
Are Drinking Water Samples Submitted?
Are MCF Analytical Methods Required?

☐ **RUSH** (only confirmed if pre-approved!)

Date Due: 9/14 Time:

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Date/Time 11/30/15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com


MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England **Laboratory Job Number:** L0610884
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 **Date Received:** 01-AUG-2006
Attn: Ms. Rachel Leary **Date Reported:** 08-AUG-2006
Project Number: 0042925 **Delivery Method:** Alpha
Site: WAYLAND RGP

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0610884-01	MW-552-20060801-01	WAYLAND, MA
L0610884-02	TB-001-20060801-01	WAYLAND, MA

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 

Technical Director

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0610884

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Volatile Organics

L0610884-01 has elevated limits of detection due to the 50x dilutions required by the elevated concentrations of target compounds in the sample.

Semi-Volatile Organics

The WG248531 LCS has a high recovery for Pentachlorophenol.

The WG248531 MS has high recoveries for Pentachlorophenol and p-Chloro-m-cresol.

The WG248531 MSD has a high recovery for Pentachlorophenol.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0610884-01
MW-552-20060801-01
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 7-Amber,4-Plastic,4-Vial

Date Collected: 01-AUG-2006 14:10
Date Received : 01-AUG-2006
Date Reported : 08-AUG-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total Suspended	ND	mg/l	5.0	4 160.2		0802 13:00	DW
Cyanide, Total	ND	mg/l	0.005	4 335.2	0803 09:00	0803 17:18	DD
Chlorine, Total Residual	ND	mg/l	0.05	4 330.1		0802 23:00	BA
TPH	ND	mg/l	4.00	74 1664A	0802 11:30	0802 19:15	AT
Phenolics, Total	ND	mg/l	0.03	4 420.1		0802 14:00	AT
Chromium, Hexavalent	ND	mg/l	0.02	30 3500CR-D	0801 21:50	0801 21:50	DP
Total Metals							
Antimony, Total	ND	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Arsenic, Total	0.0023	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Cadmium, Total	ND	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Copper, Total	0.0006	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Iron, Total	0.14	mg/l	0.05	19 200.7	0803 19:00	0804 20:28	MG
Lead, Total	ND	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Mercury, Total	ND	mg/l	0.0002	4 245.2	0802 16:40	0803 11:07	DM
Nickel, Total	0.0022	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Selenium, Total	ND	mg/l	0.001	1 6020	0803 19:00	0804 17:54	BM
Silver, Total	ND	mg/l	0.0005	1 6020	0803 19:00	0804 17:54	BM
Zinc, Total	ND	mg/l	0.0050	1 6020	0803 19:00	0804 17:54	BM
Pesticides by GC 504				14 504.1	0804 11:45	0804 15:09	SS
1,2-Dibromoethane	ND	ug/l	0.020				
Volatile Organics by GC/MS 624				5 624	0802 10:29		MM
Methylene chloride	ND	ug/l	250				
1,1-Dichloroethane	ND	ug/l	75.				
Chloroform	ND	ug/l	75.				
Carbon tetrachloride	ND	ug/l	50.				
1,2-Dichloropropane	ND	ug/l	180				
Dibromochloromethane	ND	ug/l	50.				
1,1,2-Trichloroethane	ND	ug/l	75.				
2-Chloroethylvinyl ether	ND	ug/l	500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-01
MW-552-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5	624	0802 10:29 MM	
Tetrachloroethene	240	ug/l	75				
Chlorobenzene	ND	ug/l	180				
Trichlorofluoromethane	ND	ug/l	250				
1,2-Dichloroethane	ND	ug/l	75.				
1,1,1-Trichloroethane	ND	ug/l	100				
Bromodichloromethane	ND	ug/l	50.				
trans-1,3-Dichloropropene	ND	ug/l	75.				
cis-1,3-Dichloropropene	ND	ug/l	75.				
Bromoform	ND	ug/l	50.				
1,1,2,2-Tetrachloroethane	ND	ug/l	50.				
Benzene	ND	ug/l	50.				
Toluene	ND	ug/l	50.				
Ethylbenzene	ND	ug/l	50.				
Chloromethane	ND	ug/l	500				
Bromomethane	ND	ug/l	250				
Vinyl chloride	ND	ug/l	100				
Chloroethane	ND	ug/l	100				
1,1-Dichloroethene	ND	ug/l	50.				
trans-1,2-Dichloroethene	ND	ug/l	75.				
cis-1,2-Dichloroethene	270	ug/l	50				
Trichloroethene	4300	ug/l	50				
1,2-Dichlorobenzene	ND	ug/l	250				
1,3-Dichlorobenzene	ND	ug/l	250				
1,4-Dichlorobenzene	ND	ug/l	250				
p/m-Xylene	ND	ug/l	100				
o-xylene	ND	ug/l	50.				
Xylene (Total)	ND	ug/l	100				
Styrene	ND	ug/l	50.				
Acetone	ND	ug/l	500				
Carbon disulfide	ND	ug/l	250				
2-Butanone	ND	ug/l	500				
Vinyl acetate	ND	ug/l	1000				
4-Methyl-2-pentanone	ND	ug/l	500				
2-Hexanone	ND	ug/l	500				
Acrolein	ND	ug/l	400				
Acrylonitrile	ND	ug/l	500				
Methyl tert butyl ether	ND	ug/l	1000				
1,4-Dioxane	ND	ug/l	100000				
Tert-Butyl Alcohol	ND	ug/l	5000				
Tertiary-Amyl Methyl Ether	ND	ug/l	1000				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	88.0	%	80-120				
Fluorobenzene	92.0	%	80-120				
4-Bromofluorobenzene	89.0	%	80-120				
SVOC's by GC/MS 8270				1	8270C	0802 16:15 0804 14:04 RL	
Acenaphthene	ND	ug/l	5.0				
Benzidine	ND	ug/l	50.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-01
MW-552-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0802 16:15	0804 14:04	RL
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
Hexachlorobenzene	ND	ug/l	5.0				
Bis(2-chloroethyl)ether	ND	ug/l	5.0				
1-Chloronaphthalene	ND	ug/l	5.0				
2-Chloronaphthalene	ND	ug/l	6.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
3,3'-Dichlorobenzidine	ND	ug/l	50.				
2,4-Dinitrotoluene	ND	ug/l	6.0				
2,6-Dinitrotoluene	ND	ug/l	5.0				
Azobenzene	ND	ug/l	5.0				
Fluoranthene	ND	ug/l	5.0				
4-Chlorophenyl phenyl ether	ND	ug/l	5.0				
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	10.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-01
MW-552-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0802 16:15	0804 14:04	RL
1-Methylnaphthalene	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
a,a-Dimethylphenethylamine	ND	ug/l	50.					
Hexachloropropene	ND	ug/l	10.					
Nitrosodi-n-butylamine	ND	ug/l	10.					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Pentachlorobenzene	ND	ug/l	20.					
a-Naphthylamine	ND	ug/l	20.					
b-Naphthylamine	ND	ug/l	20.					
Phenacetin	ND	ug/l	10.					
Dimethoate	ND	ug/l	20.					
4-Aminobiphenyl	ND	ug/l	10.					
Pentachloronitrobenzene	ND	ug/l	10.					
Isodrin	ND	ug/l	10.					
p-Dimethylaminoazobenzene	ND	ug/l	10.					
Chlorobenzilate	ND	ug/l	20.					
3-Methylcholanthrene	ND	ug/l	20.					
Ethyl Methanesulfonate	ND	ug/l	15.					
Acetophenone	ND	ug/l	20.					
Nitrosodipiperidine	ND	ug/l	20.					
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.					
n-Nitrosodimethylamine	ND	ug/l	50.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
p-Chloro-m-cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	20.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	20.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
2,6-Dichlorophenol	ND	ug/l	10.					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Pyridine	ND	ug/l	50.					
2-Picoline	ND	ug/l	20.					
Pronamide	ND	ug/l	20.					
Methyl methanesulfonate	ND	ug/l	20.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-01
MW-552-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
<hr/>						
SVOC's by GC/MS 8270 cont'd				1 8270C	0802 16:15 0804 14:04 RL	
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	42.0	%	21-120			
Phenol-d6	33.0	%	10-120			
Nitrobenzene-d5	73.0	%	23-120			
2-Fluorobiphenyl	80.0	%	43-120			
2,4,6-Tribromophenol	88.0	%	10-120			
4-Terphenyl-d14	91.0	%	33-120			
<hr/>						
PAH by GC/MS SIM 8270M				1 8270C-M	0802 16:15 0803 19:00 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			
Anthracene	ND	ug/l	0.20			
Benzo(ghi)perylene	ND	ug/l	0.20			
Fluorene	ND	ug/l	0.20			
Phenanthrene	ND	ug/l	0.20			
Dibenzo(a,h)anthracene	ND	ug/l	0.20			
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20			
Pyrene	ND	ug/l	0.20			
1-Methylnaphthalene	ND	ug/l	0.20			
2-Methylnaphthalene	ND	ug/l	0.20			
Pentachlorophenol	ND	ug/l	0.80			
Hexachlorobenzene	ND	ug/l	0.80			
Perylene	ND	ug/l	0.20			
Biphenyl	ND	ug/l	0.20			
2,6-Dimethylnaphthalene	ND	ug/l	0.20			
1-Methylphenanthrene	ND	ug/l	0.20			
Benzo(e)Pyrene	ND	ug/l	0.20			
Hexachloroethane	ND	ug/l	0.80			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	39.0	%	21-120			
Phenol-d6	36.0	%	10-120			
Nitrobenzene-d5	78.0	%	23-120			
2-Fluorobiphenyl	70.0	%	43-120			
2,4,6-Tribromophenol	54.0	%	10-120			
4-Terphenyl-d14	81.0	%	33-120			
<hr/>						
Polychlorinated Biphenyls				5 608	0802 11:30 0803 13:46 JB	
Aroclor 1016	ND	ug/l	0.255			
Aroclor 1221	ND	ug/l	0.255			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-01
MW-552-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
Polychlorinated Biphenyls cont'd				5	608	0802 11:30	0803 13:46	JB
Aroclor 1232	ND	ug/l	0.255					
Aroclor 1242	ND	ug/l	0.255					
Aroclor 1248	ND	ug/l	0.255					
Aroclor 1254	ND	ug/l	0.255					
Aroclor 1260	ND	ug/l	0.255					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	70.0	%	30-150					
Decachlorobiphenyl	105	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0610884-02	Date Collected: 23-JUL-2006 13:40
	Date Received : 01-AUG-2006
Sample Matrix: TB-001-20060801-01 WATER	Date Reported : 08-AUG-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
<hr/>						
Pesticides by GC 504				14 504.1	0804 11:45 0804 15:32 SS	
1,2-Dibromoethane	ND	ug/l	0.020			
<hr/>						
Volatile Organics by GC/MS 624				5 624	0802 12:55 MM	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	ND	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
p/m-Xylene	ND	ug/l	2.0			
o-xylene	ND	ug/l	1.0			
Xylene (Total)	ND	ug/l	2.0			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0610884-02
TB-001-20060801-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5	624	0802 12:55 MM		
Styrene	ND	ug/l	1.0					
Acetone	ND	ug/l	10.					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	10.					
Vinyl acetate	ND	ug/l	20.					
4-Methyl-2-pentanone	ND	ug/l	10.					
2-Hexanone	ND	ug/l	10.					
Acrolein	ND	ug/l	8.0					
Acrylonitrile	ND	ug/l	10.					
Methyl tert butyl ether	ND	ug/l	20.					
1,4-Dioxane	ND	ug/l	2000					
Tert-Butyl Alcohol	ND	ug/l	100					
Tertiary-Amyl Methyl Ether	ND	ug/l	20.					
Surrogate(s)	Recovery		QC Criteria					
Pentafluorobenzene	86.0	%	80-120					
Fluorobenzene	90.0	%	80-120					
4-Bromofluorobenzene	88.0	%	80-120					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0610884

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total Suspended for sample(s) 01 (L0610876-01, WG248458-2)					
Solids, Total Suspended	200	180	mg/l	11	20
Cyanide, Total for sample(s) 01 (L0610633-02, WG248666-4)					
Cyanide, Total	ND	ND	mg/l	NC	30
Chlorine, Total Residual for sample(s) 01 (L0610884-01, WG248582-2)					
Chlorine, Total Residual	ND	ND	mg/l	NC	
TPH for sample(s) 01 (L0610660-01, WG248550-4)					
TPH	7.30	7.65	mg/l	5	34
Phenolics, Total for sample(s) 01 (L0610677-01, WG248646-4)					
Phenolics, Total	0.06	0.07	mg/l	5	
Chromium, Hexavalent for sample(s) 01 (L0610884-01, WG248566-4)					
Chromium, Hexavalent	ND	ND	mg/l	NC	
Total Metals for sample(s) 01 (L0610884-01, WG248723-1)					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0023	0.0023	mg/l	1	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.0006	0.0006	mg/l	3	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	0.0022	0.0022	mg/l	2	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01 (L0610884-01, WG248722-1)					
Iron, Total	0.14	0.15	mg/l	7	
Total Metals for sample(s) 01 (L0610461-01, WG248538-3)					
Mercury, Total	ND	ND	mg/l	NC	
Volatile Organics by GC/MS 624 for sample(s) 01-02 (L0610677-01, WG248501-2)					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	ND	ND	ug/l	NC	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0610884

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 624 for sample(s) 01-02 (L0610677-01, WG248501-2)					
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30
Benzene	1.4	1.6	ug/l	13	30
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene	ND	ND	ug/l	NC	30
o-Xylene	ND	ND	ug/l	NC	30
XYLENE (TOTAL)	ND	ND	ug/l	NC	30
Styrene	ND	ND	ug/l	NC	30
Acetone	ND	ND	ug/l	NC	30
Carbon disulfide	ND	ND	ug/l	NC	30
2-Butanone	ND	ND	ug/l	NC	30
Vinyl acetate	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone	ND	ND	ug/l	NC	30
2-Hexanone	ND	ND	ug/l	NC	30
Acrolein	ND	ND	ug/l	NC	30
Acrylonitrile	ND	ND	ug/l	NC	30
Methyl tert butyl ether	ND	ND	ug/l	NC	30
1,4-Dioxane	ND	ND	ug/l	NC	30
tert-Butyl Alcohol	ND	ND	ug/l	NC	30
Tertiary-Amyl Methyl Ether	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery			QC Criteria	
Pentafluorobenzene	91.0	92.0	%	80-120	
Fluorobenzene	96.0	97.0	%	80-120	
4-Bromofluorobenzene	99.0	91.0	%	80-120	
Polychlorinated Biphenyls for sample(s) 01 (L0610884-01, WG248541-4)					
Aroclor 1016	ND	ND	ug/l	NC	30
Aroclor 1221	ND	ND	ug/l	NC	30
Aroclor 1232	ND	ND	ug/l	NC	30
Aroclor 1242	ND	ND	ug/l	NC	30
Aroclor 1248	ND	ND	ug/l	NC	30

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0610884

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Polychlorinated Biphenyls for sample(s) 01 (L0610884-01, WG248541-4)					
Aroclor 1254	ND	ND	ug/l	NC	30
Aroclor 1260	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery				QC Criteria
2,4,5,6-Tetrachloro-m-xylene	70.0	60.0	%		30-150
Decachlorobiphenyl	105	99.0	%		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0610884

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 01 (WG248666-2)		
Cyanide, Total	102	90-110
Chlorine, Total Residual LCS for sample(s) 01 (WG248582-1)		
Chlorine, Total Residual	101	
TPH LCS for sample(s) 01 (WG248550-2)		
TPH	90	64-132
Phenolics, Total LCS for sample(s) 01 (WG248646-2)		
Phenolics, Total	92	
Chromium, Hexavalent LCS for sample(s) 01 (WG248566-2)		
Chromium, Hexavalent	102	
Total Metals LCS for sample(s) 01 (WG248723-4)		
Antimony, Total	97	80-120
Arsenic, Total	98	80-120
Cadmium, Total	100	80-120
Chromium, Total	104	80-120
Copper, Total	100	80-120
Lead, Total	103	80-120
Nickel, Total	102	80-120
Selenium, Total	102	80-120
Silver, Total	101	80-120
Zinc, Total	102	80-120
Total Metals LCS for sample(s) 01 (WG248722-4)		
Iron, Total	97	
Total Metals LCS for sample(s) 01 (WG248538-1)		
Mercury, Total	101	
Pesticides by GC 504 LCS for sample(s) 01-02 (WG248855-2)		
1,2-Dibromoethane	90	70-130
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG248501-7)		
Methylene chloride	100	10-221
1,1-Dichloroethane	101	59-155
Chloroform	99	51-138
Carbon tetrachloride	97	70-140
1,2-Dichloropropane	98	10-210
Dibromochloromethane	95	53-149
1,1,2-Trichloroethane	102	52-150
2-Chloroethylvinyl ether	93	10-305
Tetrachloroethene	92	64-148
Chlorobenzene	91	37-160
Trichlorofluoromethane	105	17-181
1,2-Dichloroethane	110	49-155

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0610884

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG248501-7)		
1,1,1-Trichloroethane	94	52-162
Bromodichloromethane	96	35-155
trans-1,3-Dichloropropene	87	17-183
cis-1,3-Dichloropropene	93	10-227
Bromoform	93	45-169
1,1,2,2-Tetrachloroethane	104	46-157
Benzene	94	37-151
Toluene	95	47-150
Ethylbenzene	98	37-162
Chloromethane	111	10-273
Bromomethane	85	10-242
Vinyl chloride	124	10-251
Chloroethane	100	14-230
1,1-Dichloroethene	102	10-234
trans-1,2-Dichloroethene	100	54-156
cis-1,2-Dichloroethene	98	60-140
Trichloroethene	95	71-157
1,2-Dichlorobenzene	91	18-190
1,3-Dichlorobenzene	90	59-156
1,4-Dichlorobenzene	93	18-190
p/m-Xylene	101	40-160
o-Xylene	97	40-160
XYLENE (TOTAL)	100	40-160
Styrene	97	40-160
Acetone	123	40-160
Carbon disulfide	98	40-160
2-Butanone	114	40-160
Vinyl acetate	86	40-160
4-Methyl-2-pentanone	114	40-160
2-Hexanone	119	40-160
Acrolein	159	40-160
Acrylonitrile	111	40-160
Surrogate(s)		
Pentafluorobenzene	98	80-120
Fluorobenzene	98	80-120
4-Bromofluorobenzene	92	80-120
SVOC's by GC/MS 8270 LCS for sample(s) 01 (WG248531-2)		
Acenaphthene	63	46-118
1,2,4-Trichlorobenzene	58	39-98
2-Chloronaphthalene	68	40-140
1,2-Dichlorobenzene	46	40-140
1,4-Dichlorobenzene	46	36-97
2,4-Dinitrotoluene	75	24-96
2,6-Dinitrotoluene	79	40-140
Fluoranthene	87	40-140
4-Chlorophenyl phenyl ether	75	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0610884

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 01 (WG248531-2)		
n-Nitrosodi-n-propylamine	57	41-116
Butyl benzyl phthalate	81	40-140
Anthracene	68	40-140
Pyrene	82	26-127
Hexachloropropene	64	40-140
P-Chloro-M-Cresol	71	23-97
2-Chlorophenol	56	27-123
2-Nitrophenol	56	30-130
4-Nitrophenol	37	10-80
2,4-Dinitrophenol	81	30-130
Pentachlorophenol	112	9-103
Phenol	22	12-110
Surrogate(s)		
2-Fluorophenol	36	21-120
Phenol-d6	29	10-120
Nitrobenzene-d5	58	23-120
2-Fluorobiphenyl	69	43-120
2,4,6-Tribromophenol	85	10-120
4-Terphenyl-d14	86	33-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01 (WG248533-2)		
Acenaphthene	61	46-118
2-Chloronaphthalene	64	
Fluoranthene	88	
Anthracene	65	
Pyrene	74	26-127
Pentachlorophenol	52	9-103
Surrogate(s)		
2-Fluorophenol	35	21-120
Phenol-d6	34	10-120
Nitrobenzene-d5	74	23-120
2-Fluorobiphenyl	61	43-120
2,4,6-Tribromophenol	50	10-120
4-Terphenyl-d14	74	33-120
Polychlorinated Biphenyls LCS for sample(s) 01 (WG248541-2)		
Aroclor 1016	88	40-140
Aroclor 1260	120	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	60	30-150
Decachlorobiphenyl	82	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0610884

Continued

Parameter	% Recovery	QC Criteria
Cyanide, Total SPIKE for sample(s) 01 (L0610633-02, WG248666-3)		
Cyanide, Total	90	80-120
TPH SPIKE for sample(s) 01 (L0610677-01, WG248550-3)		
TPH	84	64-132
Phenolics, Total SPIKE for sample(s) 01 (L0610884-01, WG248646-3)		
Phenolics, Total	87	
Chromium, Hexavalent SPIKE for sample(s) 01 (L0610884-01, WG248566-3)		
Chromium, Hexavalent	101	
Total Metals SPIKE for sample(s) 01 (L0610884-01, WG248723-2)		
Antimony, Total	95	80-120
Arsenic, Total	100	80-120
Cadmium, Total	98	80-120
Chromium, Total	103	80-120
Copper, Total	99	80-120
Lead, Total	102	80-120
Nickel, Total	100	80-120
Selenium, Total	98	80-120
Silver, Total	98	80-120
Zinc, Total	100	80-120
Total Metals SPIKE for sample(s) 01 (L0610884-01, WG248722-2)		
Iron, Total	96	
Total Metals SPIKE for sample(s) 01 (L0610461-01, WG248538-2)		
Mercury, Total	134	
Pesticides by GC 504 SPIKE for sample(s) 01-02 (L0610745-01, WG248855-3)		
1,2-Dibromoethane	90	
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0610677-01, WG248501-1)		
Methylene chloride	78	10-221
1,1-Dichloroethane	80	59-155
Chloroform	76	51-138
Carbon tetrachloride	73	70-140
1,2-Dichloropropane	77	10-210
Dibromochloromethane	72	53-149
1,1,2-Trichloroethane	81	52-150
2-Chloroethylvinyl ether	86	10-305
Tetrachloroethene	72	64-148
Chlorobenzene	70	37-160
Trichlorofluoromethane	82	17-181
1,2-Dichloroethane	88	49-155
1,1,1-Trichloroethane	72	52-162
Bromodichloromethane	74	35-155
trans-1,3-Dichloropropene	67	17-183

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0610884

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0610677-01, WG248501-1)		
cis-1,3-Dichloropropene	68	10-227
Bromoform	69	45-169
1,1,2,2-Tetrachloroethane	80	46-157
Benzene	73	35-151
Toluene	74	47-150
Ethylbenzene	76	37-162
Chloromethane	97	10-273
Bromomethane	64	10-242
Vinyl chloride	94	10-251
Chloroethane	76	14-230
1,1-Dichloroethene	81	10-234
trans-1,2-Dichloroethene	75	54-156
cis-1,2-Dichloroethene	76	60-140
Trichloroethene	71	71-157
1,2-Dichlorobenzene	74	18-190
1,3-Dichlorobenzene	73	59-156
1,4-Dichlorobenzene	73	18-190
p/m-Xylene	78	40-160
o-Xylene	76	40-160
XYLENE (TOTAL)	77	40-160
Styrene	73	40-160
Acetone	108	40-160
Carbon disulfide	76	40-160
2-Butanone	101	40-160
Vinyl acetate	88	40-160
4-Methyl-2-pentanone	101	40-160
2-Hexanone	103	40-160
Acrolein	132	40-160
Acrylonitrile	104	40-160
Surrogate(s)		
Pentafluorobenzene	91	80-120
Fluorobenzene	93	80-120
4-Bromofluorobenzene	91	80-120
Polychlorinated Biphenyls SPIKE for sample(s) 01 (L0610884-01, WG248541-3)		
Aroclor 1016	84	40-140
Aroclor 1260	121	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	66	30-150
2,4,5,6-Tetrachloro-m-xylene	56	30-150
Decachlorobiphenyl	81	30-150
Decachlorobiphenyl	95	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0610884

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01 (L0610884-01, WG248531-4)					
Acenaphthene	75	66	13	30	46-118
1,2,4-Trichlorobenzene	71	61	15	30	39-98
2-Chloronaphthalene	89	75	17	30	40-140
1,2-Dichlorobenzene	61	52	16	30	40-140
1,4-Dichlorobenzene	61	52	16	30	36-97
2,4-Dinitrotoluene	89	75	17	30	24-96
2,6-Dinitrotoluene	100	80	22	30	40-140
Fluoranthene	110	85	26	30	40-140
4-Chlorophenyl phenyl ether	85	80	6	30	40-140
n-Nitrosodi-n-propylamine	71	56	24	30	41-116
Butyl benzyl phthalate	99	85	15	30	40-140
Anthracene	80	66	19	30	40-140
Pyrene	100	85	16	30	26-127
Hexachloropropene	80	80	0	30	40-140
p-Chloro-M-Cresol	100	78	25	30	23-97
2-Chlorophenol	75	59	24	30	27-123
2-Nitrophenol	80	59	30	30	30-130
4-Nitrophenol	59	54	9	30	10-80
2,4-Dinitrophenol	94	85	10	30	30-130
Pentachlorophenol	140	110	24	30	9-103
Phenol	45	35	25	30	12-110
Surrogate(s)					
2-Fluorophenol	55	49	12		21-120
Phenol-d6	65	50	26		10-120
Nitrobenzene-d5	78	63	21		23-120
2-Fluorobiphenyl	88	74	17		43-120
2,4,6-Tribromophenol	102	88	15		10-120
4-Terphenyl-d14	110	92	18		33-120
PAH by GC/MS SIM 8270M for sample(s) 01 (L0610884-01, WG248533-4)					
Acenaphthene	71	89	23	40	46-118
2-Chloronaphthalene	75	89	17	40	
Fluoranthene	99	120	19	40	
Anthracene	75	94	22	40	
Pyrene	75	89	17	40	26-127
Pentachlorophenol	71	85	18	40	9-103
Surrogate(s)					
2-Fluorophenol	52	60	14		21-120
Phenol-d6	59	69	16		10-120
Nitrobenzene-d5	82	98	18		23-120
2-Fluorobiphenyl	76	90	17		43-120
2,4,6-Tribromophenol	62	73	16		10-120
4-Terphenyl-d14	90	105	15		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG248458-1)						
Solids, Total Suspended	ND	mg/l	5.0	4 160.2	0802 13:00	DW
Blank Analysis for sample(s) 01 (WG248666-1)						
Cyanide, Total	ND	mg/l	0.005	4 335.2	0803 09:00 0803 17:08	DD
Blank Analysis for sample(s) 01 (WG248550-1)						
TPH	ND	mg/l	4.00	74 1664A	0802 11:30 0802 19:15	AT
Blank Analysis for sample(s) 01 (WG248646-1)						
Phenolics, Total	ND	mg/l	0.03	4 420.1	0802 14:00	AT
Blank Analysis for sample(s) 01 (WG248566-1)						
Chromium, Hexavalent	ND	mg/l	0.02	30 3500CR-D	0801 21:50 0801 21:50	DP
Blank Analysis for sample(s) 01 (WG248723-3)						
Total Metals						
Antimony, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Arsenic, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Cadmium, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Copper, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Lead, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Nickel, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Selenium, Total	ND	mg/l	0.001	1 6020	0803 19:00 0804 17:43	BM
Silver, Total	ND	mg/l	0.0005	1 6020	0803 19:00 0804 17:43	BM
Zinc, Total	ND	mg/l	0.0050	1 6020	0803 19:00 0804 17:43	BM
Blank Analysis for sample(s) 01 (WG248722-3)						
Total Metals						
				19 200.7		
Iron, Total	ND	mg/l	0.05	19 200.7	0803 19:00 0804 20:21	MG
Blank Analysis for sample(s) 01 (WG248538-4)						
Total Metals						
Mercury, Total	ND	mg/l	0.0002	4 245.2	0802 16:40 0803 10:10	DM
Blank Analysis for sample(s) 01-02 (WG248855-1)						
Pesticides by GC 504						
				14 504.1	0804 11:45 0804 12:52	SS
1,2-Dibromoethane	ND	ug/l	0.020			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02 (WG248501-8)						
Volatile Organics by GC/MS 624				5 624	0802 08:32 MM	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	ND	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
p/m-Xylene	ND	ug/l	2.0			
o-xylene	ND	ug/l	1.0			
Xylene (Total)	ND	ug/l	2.0			
Styrene	ND	ug/l	1.0			
Acetone	ND	ug/l	10.			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	10.			
Vinyl acetate	ND	ug/l	20.			
4-Methyl-2-pentanone	ND	ug/l	10.			
2-Hexanone	ND	ug/l	10.			
Acrolein	ND	ug/l	8.0			
Acrylonitrile	ND	ug/l	10.			
Methyl tert butyl ether	ND	ug/l	20.			
1,4-Dioxane	ND	ug/l	2000			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02 (WG248501-8)						
Volatile Organics by GC/MS 624 cont'd				5 624	0802 08:32 MM	
Tert-Butyl Alcohol	ND	ug/l	100			
Tertiary-Amyl Methyl Ether	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	92.0	%	80-120			
Fluorobenzene	96.0	%	80-120			
4-Bromofluorobenzene	93.0	%	80-120			
Blank Analysis for sample(s) 01 (WG248531-1)						
SVOC's by GC/MS 8270				1 8270C	0802 16:15 0803 14:34 RL	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	ND	ug/l	5.0			
2-Chloronaphthalene	ND	ug/l	6.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
3,3'-Dichlorobenzidine	ND	ug/l	50.			
2,4-Dinitrotoluene	ND	ug/l	6.0			
2,6-Dinitrotoluene	ND	ug/l	5.0			
Azobenzene	ND	ug/l	5.0			
Fluoranthene	ND	ug/l	5.0			
4-Chlorophenyl phenyl ether	ND	ug/l	5.0			
4-Bromophenyl phenyl ether	ND	ug/l	5.0			
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0			
Bis(2-chloroethoxy)methane	ND	ug/l	5.0			
Hexachlorobutadiene	ND	ug/l	10.			
Hexachlorocyclopentadiene	ND	ug/l	10.			
Hexachloroethane	ND	ug/l	5.0			
Isophorone	ND	ug/l	5.0			
Naphthalene	ND	ug/l	5.0			
Nitrobenzene	ND	ug/l	5.0			
NDPA/DPA	ND	ug/l	15.			
n-Nitrosodi-n-propylamine	ND	ug/l	5.0			
Bis(2-ethylhexyl)phthalate	ND	ug/l	10			
Butyl benzyl phthalate	ND	ug/l	5.0			
Di-n-butylphthalate	ND	ug/l	5.0			
Di-n-octylphthalate	ND	ug/l	5.0			
Diethyl phthalate	ND	ug/l	5.0			
Dimethyl phthalate	ND	ug/l	5.0			
Benzo(a)anthracene	ND	ug/l	5.0			
Benzo(a)pyrene	ND	ug/l	5.0			
Benzo(b)fluoranthene	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG248531-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0802 16:15	0803 14:34	RL
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	20.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.				
n-Nitrosodimethylamine	ND	ug/l	50.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
p-Chloro-m-cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG248531-1)						
SVOC's by GC/MS 8270 cont'd				1 8270C	0802 16:15 0803 14:34 RL	
2-Nitrophenol	ND	ug/l	20.			
4-Nitrophenol	ND	ug/l	10.			
2,4-Dinitrophenol	ND	ug/l	20.			
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
Phenol	ND	ug/l	7.0			
2-Methylphenol	ND	ug/l	6.0			
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0			
2,4,5-Trichlorophenol	ND	ug/l	5.0			
2,6-Dichlorophenol	ND	ug/l	10.			
Benzoic Acid	ND	ug/l	50.			
Benzyl Alcohol	ND	ug/l	10.			
Carbazole	ND	ug/l	5.0			
Pyridine	ND	ug/l	50.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	39.0	%	21-120			
Phenol-d6	32.0	%	10-120			
Nitrobenzene-d5	68.0	%	23-120			
2-Fluorobiphenyl	70.0	%	43-120			
2,4,6-Tribromophenol	84.0	%	10-120			
4-Terphenyl-d14	94.0	%	33-120			
Blank Analysis for sample(s) 01 (WG248533-1)						
PAH by GC/MS SIM 8270M				1 8270C-M	0802 16:15 0803 17:32 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			
Anthracene	ND	ug/l	0.20			
Benzo(ghi)perylene	ND	ug/l	0.20			
Fluorene	ND	ug/l	0.20			
Phenanthrene	ND	ug/l	0.20			
Dibenzo(a,h)anthracene	ND	ug/l	0.20			
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20			
Pyrene	ND	ug/l	0.20			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0610884

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG248533-1)						
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0802 16:15 0803 17:32 RL	
1-Methylnaphthalene	ND	ug/l	0.20			
2-Methylnaphthalene	ND	ug/l	0.20			
Pentachlorophenol	ND	ug/l	0.80			
Hexachlorobenzene	ND	ug/l	0.80			
Perylene	ND	ug/l	0.20			
Biphenyl	ND	ug/l	0.20			
2,6-Dimethylnaphthalene	ND	ug/l	0.20			
1-Methylphenanthrene	ND	ug/l	0.20			
Benzo(e)Pyrene	ND	ug/l	0.20			
Hexachloroethane	ND	ug/l	0.80			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	33.0	%	21-120			
Phenol-d6	32.0	%	10-120			
Nitrobenzene-d5	69.0	%	23-120			
2-Fluorobiphenyl	59.0	%	43-120			
2,4,6-Tribromophenol	52.0	%	10-120			
4-Terphenyl-d14	81.0	%	33-120			
Blank Analysis for sample(s) 01 (WG248541-1)						
Polychlorinated Biphenyls				5 608	0802 11:30 0803 11:52 JB	
Aroclor 1016	ND	ug/l	0.250			
Aroclor 1221	ND	ug/l	0.250			
Aroclor 1232	ND	ug/l	0.250			
Aroclor 1242	ND	ug/l	0.250			
Aroclor 1248	ND	ug/l	0.250			
Aroclor 1254	ND	ug/l	0.250			
Aroclor 1260	ND	ug/l	0.250			
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	58.0	%	30-150			
Decachlorobiphenyl	30.0	%	30-150			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
4. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.
5. Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
14. Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.
19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
74. Method 1664, Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.



ALPHA Job #: 0610884

Billing Information

Criteria

DATA WORK PRACTICE CERTAINITY STRATEGONABE CONFIDENCE PROTOCOLS

1

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

2

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2025/10/10

Henry H. Thompson 8/1/00 1940

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ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0601529
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 02-FEB-2006
Attn: Jeremy Picard	Date Reported: 09-FEB-2006
Project Number: 0043036	Delivery Method: Alpha
Site: RAYTHEON-WAYLAND	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Douglas Sheehey
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0601529

Date Reported: 09-FEB-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0601529-01	B-530-5-10-4.6-01	WAYLAND, MA
L0601529-02	B-530A-10-15-1.8-01	WAYLAND, MA
L0601529-03	B-522A-10-15-1.75-01	WAYLAND, MA
L0601529-04	B-515-15-20-1.7-01	WAYLAND, MA
L0601529-05	B-534-15-20-2.2-01	WAYLAND, MA
L0601529-06	B-534A-20-25-1.25-01	WAYLAND, MA
L0601529-07	B-531A-15-20-3.1-01	WAYLAND, MA
L0601529-08	B-531B-10-15-2.5-01	WAYLAND, MA
L0601529-09	B-529-15-20-2.8-01	WAYLAND, MA
L0601529-10	TB-001-20060131-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0601529

Volatile Organics

Re-analysis on dilution was required in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration. The dilution is as follows:

10601529-07

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-01	Date Collected: 31-JAN-2006 14:00
B-530-5-10-4.6-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	76.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B			0206 18:09 RY
Methylene chloride	ND	ug/kg	1400				
1,1-Dichloroethane	ND	ug/kg	210				
Chloroform	ND	ug/kg	210				
Carbon tetrachloride	ND	ug/kg	140				
1,2-Dichloropropane	ND	ug/kg	500				
Dibromochloromethane	ND	ug/kg	140				
1,1,2-Trichloroethane	ND	ug/kg	210				
Tetrachloroethene	2900	ug/kg	140				
Chlorobenzene	ND	ug/kg	140				
Trichlorofluoromethane	ND	ug/kg	710				
1,2-Dichloroethane	ND	ug/kg	140				
1,1,1-Trichloroethane	ND	ug/kg	140				
Bromodichloromethane	ND	ug/kg	140				
trans-1,3-Dichloropropene	ND	ug/kg	140				
cis-1,3-Dichloropropene	ND	ug/kg	140				
1,1-Dichloropropene	ND	ug/kg	710				
Bromoform	ND	ug/kg	570				
1,1,2,2-Tetrachloroethane	ND	ug/kg	140				
Benzene	ND	ug/kg	140				
Toluene	ND	ug/kg	210				
Ethylbenzene	ND	ug/kg	140				
Chloromethane	ND	ug/kg	710				
Bromomethane	ND	ug/kg	280				
Vinyl chloride	ND	ug/kg	280				
Chloroethane	ND	ug/kg	280				
1,1-Dichloroethene	ND	ug/kg	140				
trans-1,2-Dichloroethene	ND	ug/kg	210				
Trichloroethene	3900	ug/kg	140				
1,2-Dichlorobenzene	ND	ug/kg	710				
1,3-Dichlorobenzene	ND	ug/kg	710				
1,4-Dichlorobenzene	ND	ug/kg	710				
Methyl tert butyl ether	ND	ug/kg	280				
p/m-Xylene	ND	ug/kg	280				
o-Xylene	ND	ug/kg	280				
cis-1,2-Dichloroethene	2200	ug/kg	140				
Dibromomethane	ND	ug/kg	1400				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-01
B-530-5-10-4.6-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0206 18:09 RY	
1,2,3-Trichloropropane	ND	ug/kg	1400			
Styrene	ND	ug/kg	280			
Dichlorodifluoromethane	ND	ug/kg	1400			
Acetone	ND	ug/kg	1400			
Carbon disulfide	ND	ug/kg	1400			
2-Butanone	ND	ug/kg	1400			
4-Methyl-2-pentanone	ND	ug/kg	1400			
2-Hexanone	ND	ug/kg	1400			
Bromochloromethane	ND	ug/kg	710			
Tetrahydrofuran	ND	ug/kg	2800			
2,2-Dichloropropane	ND	ug/kg	710			
1,2-Dibromoethane	ND	ug/kg	570			
1,3-Dichloropropane	ND	ug/kg	710			
1,1,1,2-Tetrachloroethane	ND	ug/kg	140			
Bromobenzene	ND	ug/kg	710			
n-Butylbenzene	ND	ug/kg	140			
sec-Butylbenzene	ND	ug/kg	140			
tert-Butylbenzene	ND	ug/kg	710			
o-Chlorotoluene	ND	ug/kg	710			
p-Chlorotoluene	ND	ug/kg	710			
1,2-Dibromo-3-chloropropane	ND	ug/kg	710			
Hexachlorobutadiene	ND	ug/kg	710			
Isopropylbenzene	ND	ug/kg	140			
p-Isopropyltoluene	ND	ug/kg	140			
Naphthalene	ND	ug/kg	710			
n-Propylbenzene	ND	ug/kg	140			
1,2,3-Trichlorobenzene	ND	ug/kg	710			
1,2,4-Trichlorobenzene	ND	ug/kg	710			
1,3,5-Trimethylbenzene	ND	ug/kg	710			
1,2,4-Trimethylbenzene	ND	ug/kg	710			
Ethyl ether	ND	ug/kg	710			
Isopropyl Ether	ND	ug/kg	570			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	570			
Tertiary-Amyl Methyl Ether	ND	ug/kg	570			
1,4-Dioxane	ND	ug/kg	71000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	92.0	%	70-130			
Toluene-d8	100.	%	70-130			
4-Bromofluorobenzene	95.0	%	70-130			
Dibromofluoromethane	99.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-02	Date Collected: 01-FEB-2006 11:00
	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0207 10:43 RY
Methylene chloride	ND	ug/kg	7.8				
1,1-Dichloroethane	ND	ug/kg	1.2				
Chloroform	ND	ug/kg	1.2				
Carbon tetrachloride	ND	ug/kg	0.78				
1,2-Dichloropropane	ND	ug/kg	2.7				
Dibromochloromethane	ND	ug/kg	0.78				
1,1,2-Trichloroethane	ND	ug/kg	1.2				
Tetrachloroethene	160	ug/kg	0.78				
Chlorobenzene	ND	ug/kg	0.78				
Trichlorofluoromethane	ND	ug/kg	3.9				
1,2-Dichloroethane	ND	ug/kg	0.78				
1,1,1-Trichloroethane	ND	ug/kg	0.78				
Bromodichloromethane	ND	ug/kg	0.78				
trans-1,3-Dichloropropene	ND	ug/kg	0.78				
cis-1,3-Dichloropropene	ND	ug/kg	0.78				
1,1-Dichloropropene	ND	ug/kg	3.9				
Bromoform	ND	ug/kg	3.1				
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.78				
Benzene	ND	ug/kg	0.78				
Toluene	ND	ug/kg	1.2				
Ethylbenzene	ND	ug/kg	0.78				
Chloromethane	ND	ug/kg	3.9				
Bromomethane	ND	ug/kg	1.6				
Vinyl chloride	ND	ug/kg	1.6				
Chloroethane	ND	ug/kg	1.6				
1,1-Dichloroethene	ND	ug/kg	0.78				
trans-1,2-Dichloroethene	ND	ug/kg	1.2				
Trichloroethene	>160	ug/kg	.78				
1,2-Dichlorobenzene	ND	ug/kg	3.9				
1,3-Dichlorobenzene	ND	ug/kg	3.9				
1,4-Dichlorobenzene	ND	ug/kg	3.9				
Methyl tert butyl ether	ND	ug/kg	1.6				
p/m-Xylene	ND	ug/kg	1.6				
o-Xylene	ND	ug/kg	1.6				
cis-1,2-Dichloroethene	150	ug/kg	0.78				
Dibromomethane	ND	ug/kg	7.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-02
B-530A-10-15-1.8-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0207 10:43 RY	
1,2,3-Trichloropropane	ND	ug/kg	7.8			
Styrene	ND	ug/kg	1.6			
Dichlorodifluoromethane	ND	ug/kg	7.8			
Acetone	ND	ug/kg	7.8			
Carbon disulfide	ND	ug/kg	7.8			
2-Butanone	ND	ug/kg	7.8			
4-Methyl-2-pentanone	ND	ug/kg	7.8			
2-Hexanone	ND	ug/kg	7.8			
Bromochloromethane	ND	ug/kg	3.9			
Tetrahydrofuran	ND	ug/kg	16.			
2,2-Dichloropropane	ND	ug/kg	3.9			
1,2-Dibromoethane	ND	ug/kg	3.1			
1,3-Dichloropropane	ND	ug/kg	3.9			
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.78			
Bromobenzene	ND	ug/kg	3.9			
n-Butylbenzene	0.91	ug/kg	0.78			
sec-Butylbenzene	ND	ug/kg	0.78			
tert-Butylbenzene	ND	ug/kg	3.9			
o-Chlorotoluene	ND	ug/kg	3.9			
p-Chlorotoluene	ND	ug/kg	3.9			
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.9			
Hexachlorobutadiene	ND	ug/kg	3.9			
Isopropylbenzene	ND	ug/kg	0.78			
p-Isopropyltoluene	0.91	ug/kg	0.78			
Naphthalene	ND	ug/kg	3.9			
n-Propylbenzene	ND	ug/kg	0.78			
1,2,3-Trichlorobenzene	ND	ug/kg	3.9			
1,2,4-Trichlorobenzene	ND	ug/kg	3.9			
1,3,5-Trimethylbenzene	ND	ug/kg	3.9			
1,2,4-Trimethylbenzene	ND	ug/kg	3.9			
Ethyl ether	ND	ug/kg	3.9			
Isopropyl Ether	ND	ug/kg	3.1			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.1			
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.1			
1,4-Dioxane	ND	ug/kg	390			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100.	%	70-130			
Toluene-d8	100.	%	70-130			
4-Bromofluorobenzene	104.	%	70-130			
Dibromofluoromethane	107.	%	70-130			
Volatile Organics by MCP 8260B/5035-High				60 8260B	0206 18:44 RY	
Trichloroethene	520	ug/kg	140			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	96.0	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	92.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-02
B-530A-10-15-1.8-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B			0206 18:44 RY
Dibromofluoromethane	98.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-03	Date Collected: 01-FEB-2006 09:00
B-522A-10-15-1.75-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	76.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0206 15:13 RY
Methylene chloride	ND	ug/kg	8.3				
1,1-Dichloroethane	ND	ug/kg	1.2				
Chloroform	ND	ug/kg	1.2				
Carbon tetrachloride	ND	ug/kg	0.83				
1,2-Dichloropropane	ND	ug/kg	2.9				
Dibromochloromethane	ND	ug/kg	0.83				
1,1,2-Trichloroethane	ND	ug/kg	1.2				
Tetrachloroethene	ND	ug/kg	0.83				
Chlorobenzene	ND	ug/kg	0.83				
Trichlorofluoromethane	ND	ug/kg	4.2				
1,2-Dichloroethane	ND	ug/kg	0.83				
1,1,1-Trichloroethane	ND	ug/kg	0.83				
Bromodichloromethane	ND	ug/kg	0.83				
trans-1,3-Dichloropropene	ND	ug/kg	0.83				
cis-1,3-Dichloropropene	ND	ug/kg	0.83				
1,1-Dichloropropene	ND	ug/kg	4.2				
Bromoform	ND	ug/kg	3.3				
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.83				
Benzene	ND	ug/kg	0.83				
Toluene	ND	ug/kg	1.2				
Ethylbenzene	ND	ug/kg	0.83				
Chloromethane	ND	ug/kg	4.2				
Bromomethane	ND	ug/kg	1.7				
Vinyl chloride	ND	ug/kg	1.7				
Chloroethane	ND	ug/kg	1.7				
1,1-Dichloroethene	ND	ug/kg	0.83				
trans-1,2-Dichloroethene	ND	ug/kg	1.2				
Trichloroethene	1.4	ug/kg	0.83				
1,2-Dichlorobenzene	ND	ug/kg	4.2				
1,3-Dichlorobenzene	ND	ug/kg	4.2				
1,4-Dichlorobenzene	ND	ug/kg	4.2				
Methyl tert butyl ether	ND	ug/kg	1.7				
p/m-Xylene	ND	ug/kg	1.7				
o-Xylene	ND	ug/kg	1.7				
cis-1,2-Dichloroethene	ND	ug/kg	0.83				
Dibromomethane	ND	ug/kg	8.3				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-03
B-522A-10-15-1.75-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 15:13 RY	
1,2,3-Trichloropropane	ND	ug/kg	8.3			
Styrene	ND	ug/kg	1.7			
Dichlorodifluoromethane	ND	ug/kg	8.3			
Acetone	ND	ug/kg	8.3			
Carbon disulfide	ND	ug/kg	8.3			
2-Butanone	ND	ug/kg	8.3			
4-Methyl-2-pentanone	ND	ug/kg	8.3			
2-Hexanone	ND	ug/kg	8.3			
Bromochloromethane	ND	ug/kg	4.2			
Tetrahydrofuran	ND	ug/kg	17.			
2,2-Dichloropropane	ND	ug/kg	4.2			
1,2-Dibromoethane	ND	ug/kg	3.3			
1,3-Dichloropropane	ND	ug/kg	4.2			
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.83			
Bromobenzene	ND	ug/kg	4.2			
n-Butylbenzene	ND	ug/kg	0.83			
sec-Butylbenzene	ND	ug/kg	0.83			
tert-Butylbenzene	ND	ug/kg	4.2			
o-Chlorotoluene	ND	ug/kg	4.2			
p-Chlorotoluene	ND	ug/kg	4.2			
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2			
Hexachlorobutadiene	ND	ug/kg	4.2			
Isopropylbenzene	ND	ug/kg	0.83			
p-Isopropyltoluene	ND	ug/kg	0.83			
Naphthalene	ND	ug/kg	4.2			
n-Propylbenzene	ND	ug/kg	0.83			
1,2,3-Trichlorobenzene	ND	ug/kg	4.2			
1,2,4-Trichlorobenzene	ND	ug/kg	4.2			
1,3,5-Trimethylbenzene	ND	ug/kg	4.2			
1,2,4-Trimethylbenzene	ND	ug/kg	4.2			
Ethyl ether	ND	ug/kg	4.2			
Isopropyl Ether	ND	ug/kg	3.3			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.3			
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.3			
1,4-Dioxane	ND	ug/kg	420			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100.	%	70-130			
Toluene-d8	98.0	%	70-130			
4-Bromofluorobenzene	100.	%	70-130			
Dibromofluoromethane	105.	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-04	Date Collected: 01-FEB-2006 13:00
B-515-15-20-1.7-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	74.	%	0.10	30 2540G		0206 13:57	PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B		0206 19:21	RY
Methylene chloride	ND	ug/kg	1700				
1,1-Dichloroethane	ND	ug/kg	250				
Chloroform	ND	ug/kg	250				
Carbon tetrachloride	ND	ug/kg	170				
1,2-Dichloropropane	ND	ug/kg	590				
Dibromochloromethane	ND	ug/kg	170				
1,1,2-Trichloroethane	ND	ug/kg	250				
Tetrachloroethene	490	ug/kg	170				
Chlorobenzene	ND	ug/kg	170				
Trichlorofluoromethane	ND	ug/kg	840				
1,2-Dichloroethane	ND	ug/kg	170				
1,1,1-Trichloroethane	ND	ug/kg	170				
Bromodichloromethane	ND	ug/kg	170				
trans-1,3-Dichloropropene	ND	ug/kg	170				
cis-1,3-Dichloropropene	ND	ug/kg	170				
1,1-Dichloropropene	ND	ug/kg	840				
Bromoform	ND	ug/kg	670				
1,1,2,2-Tetrachloroethane	ND	ug/kg	170				
Benzene	ND	ug/kg	170				
Toluene	ND	ug/kg	250				
Ethylbenzene	ND	ug/kg	170				
Chloromethane	ND	ug/kg	840				
Bromomethane	ND	ug/kg	340				
Vinyl chloride	ND	ug/kg	340				
Chloroethane	ND	ug/kg	340				
1,1-Dichloroethene	ND	ug/kg	170				
trans-1,2-Dichloroethene	ND	ug/kg	250				
Trichloroethene	16000	ug/kg	170				
1,2-Dichlorobenzene	ND	ug/kg	840				
1,3-Dichlorobenzene	ND	ug/kg	840				
1,4-Dichlorobenzene	ND	ug/kg	840				
Methyl tert butyl ether	ND	ug/kg	340				
p/m-Xylene	ND	ug/kg	340				
o-Xylene	ND	ug/kg	340				
cis-1,2-Dichloroethene	240	ug/kg	170				
Dibromomethane	ND	ug/kg	1700				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-04
B-515-15-20-1.7-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B		0206 19:21 RY	
1,2,3-Trichloropropane	ND	ug/kg	1700				
Styrene	ND	ug/kg	340				
Dichlorodifluoromethane	ND	ug/kg	1700				
Acetone	ND	ug/kg	1700				
Carbon disulfide	ND	ug/kg	1700				
2-Butanone	ND	ug/kg	1700				
4-Methyl-2-pentanone	ND	ug/kg	1700				
2-Hexanone	ND	ug/kg	1700				
Bromochloromethane	ND	ug/kg	840				
Tetrahydrofuran	ND	ug/kg	3400				
2,2-Dichloropropane	ND	ug/kg	840				
1,2-Dibromoethane	ND	ug/kg	670				
1,3-Dichloropropane	ND	ug/kg	840				
1,1,1,2-Tetrachloroethane	ND	ug/kg	170				
Bromobenzene	ND	ug/kg	840				
n-Butylbenzene	ND	ug/kg	170				
sec-Butylbenzene	ND	ug/kg	170				
tert-Butylbenzene	ND	ug/kg	840				
o-Chlorotoluene	ND	ug/kg	840				
p-Chlorotoluene	ND	ug/kg	840				
1,2-Dibromo-3-chloropropane	ND	ug/kg	840				
Hexachlorobutadiene	ND	ug/kg	840				
Isopropylbenzene	ND	ug/kg	170				
p-Isopropyltoluene	ND	ug/kg	170				
Naphthalene	ND	ug/kg	840				
n-Propylbenzene	ND	ug/kg	170				
1,2,3-Trichlorobenzene	ND	ug/kg	840				
1,2,4-Trichlorobenzene	ND	ug/kg	840				
1,3,5-Trimethylbenzene	ND	ug/kg	840				
1,2,4-Trimethylbenzene	ND	ug/kg	840				
Ethyl ether	ND	ug/kg	840				
Isopropyl Ether	ND	ug/kg	670				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	670				
Tertiary-Amyl Methyl Ether	ND	ug/kg	670				
1,4-Dioxane	ND	ug/kg	84000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	93.0	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	96.0	%	70-130				
Dibromofluoromethane	99.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-05	Date Collected: 31-JAN-2006 08:00
B-534-15-20-2.2-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	74.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B			0206 19:58 RY
Methylene chloride	ND	ug/kg	1700				
1,1-Dichloroethane	ND	ug/kg	260				
Chloroform	ND	ug/kg	260				
Carbon tetrachloride	ND	ug/kg	170				
1,2-Dichloropropane	ND	ug/kg	610				
Dibromochloromethane	ND	ug/kg	170				
1,1,2-Trichloroethane	ND	ug/kg	260				
Tetrachloroethene	230	ug/kg	170				
Chlorobenzene	ND	ug/kg	170				
Trichlorofluoromethane	ND	ug/kg	870				
1,2-Dichloroethane	ND	ug/kg	170				
1,1,1-Trichloroethane	ND	ug/kg	170				
Bromodichloromethane	ND	ug/kg	170				
trans-1,3-Dichloropropene	ND	ug/kg	170				
cis-1,3-Dichloropropene	ND	ug/kg	170				
1,1-Dichloropropene	ND	ug/kg	870				
Bromoform	ND	ug/kg	690				
1,1,2,2-Tetrachloroethane	ND	ug/kg	170				
Benzene	ND	ug/kg	170				
Toluene	ND	ug/kg	260				
Ethylbenzene	ND	ug/kg	170				
Chloromethane	ND	ug/kg	870				
Bromomethane	ND	ug/kg	350				
Vinyl chloride	ND	ug/kg	350				
Chloroethane	ND	ug/kg	350				
1,1-Dichloroethene	ND	ug/kg	170				
trans-1,2-Dichloroethene	ND	ug/kg	260				
Trichloroethene	6000	ug/kg	170				
1,2-Dichlorobenzene	ND	ug/kg	870				
1,3-Dichlorobenzene	ND	ug/kg	870				
1,4-Dichlorobenzene	ND	ug/kg	870				
Methyl tert butyl ether	ND	ug/kg	350				
p/m-Xylene	ND	ug/kg	350				
o-Xylene	ND	ug/kg	350				
cis-1,2-Dichloroethene	ND	ug/kg	170				
Dibromomethane	ND	ug/kg	1700				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-05
B-534-15-20-2.2-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0206 19:58 RY	
1,2,3-Trichloropropane	ND	ug/kg	1700			
Styrene	ND	ug/kg	350			
Dichlorodifluoromethane	ND	ug/kg	1700			
Acetone	ND	ug/kg	1700			
Carbon disulfide	ND	ug/kg	1700			
2-Butanone	ND	ug/kg	1700			
4-Methyl-2-pentanone	ND	ug/kg	1700			
2-Hexanone	ND	ug/kg	1700			
Bromochloromethane	ND	ug/kg	870			
Tetrahydrofuran	ND	ug/kg	3500			
2,2-Dichloropropane	ND	ug/kg	870			
1,2-Dibromoethane	ND	ug/kg	690			
1,3-Dichloropropane	ND	ug/kg	870			
1,1,1,2-Tetrachloroethane	ND	ug/kg	170			
Bromobenzene	ND	ug/kg	870			
n-Butylbenzene	ND	ug/kg	170			
sec-Butylbenzene	ND	ug/kg	170			
tert-Butylbenzene	ND	ug/kg	870			
o-Chlorotoluene	ND	ug/kg	870			
p-Chlorotoluene	ND	ug/kg	870			
1,2-Dibromo-3-chloropropane	ND	ug/kg	870			
Hexachlorobutadiene	ND	ug/kg	870			
Isopropylbenzene	ND	ug/kg	170			
p-Isopropyltoluene	ND	ug/kg	170			
Naphthalene	ND	ug/kg	870			
n-Propylbenzene	ND	ug/kg	170			
1,2,3-Trichlorobenzene	ND	ug/kg	870			
1,2,4-Trichlorobenzene	ND	ug/kg	870			
1,3,5-Trimethylbenzene	ND	ug/kg	870			
1,2,4-Trimethylbenzene	ND	ug/kg	870			
Ethyl ether	ND	ug/kg	870			
Isopropyl Ether	ND	ug/kg	690			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	690			
Tertiary-Amyl Methyl Ether	ND	ug/kg	690			
1,4-Dioxane	ND	ug/kg	87000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	91.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	93.0	%	70-130			
Dibromofluoromethane	94.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-06	Date Collected: 31-JAN-2006 09:00
B-534A-20-25-1.25-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	79.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0206 15:48 RY
Methylene chloride	ND	ug/kg	8.2				
1,1-Dichloroethane	ND	ug/kg	1.2				
Chloroform	ND	ug/kg	1.2				
Carbon tetrachloride	ND	ug/kg	0.82				
1,2-Dichloropropane	ND	ug/kg	2.9				
Dibromochloromethane	ND	ug/kg	0.82				
1,1,2-Trichloroethane	ND	ug/kg	1.2				
Tetrachloroethene	1.2	ug/kg	0.82				
Chlorobenzene	ND	ug/kg	0.82				
Trichlorofluoromethane	ND	ug/kg	4.1				
1,2-Dichloroethane	ND	ug/kg	0.82				
1,1,1-Trichloroethane	ND	ug/kg	0.82				
Bromodichloromethane	ND	ug/kg	0.82				
trans-1,3-Dichloropropene	ND	ug/kg	0.82				
cis-1,3-Dichloropropene	ND	ug/kg	0.82				
1,1-Dichloropropene	ND	ug/kg	4.1				
Bromoform	ND	ug/kg	3.3				
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.82				
Benzene	ND	ug/kg	0.82				
Toluene	ND	ug/kg	1.2				
Ethylbenzene	ND	ug/kg	0.82				
Chloromethane	ND	ug/kg	4.1				
Bromomethane	ND	ug/kg	1.6				
Vinyl chloride	ND	ug/kg	1.6				
Chloroethane	ND	ug/kg	1.6				
1,1-Dichloroethene	ND	ug/kg	0.82				
trans-1,2-Dichloroethene	ND	ug/kg	1.2				
Trichloroethene	14.	ug/kg	0.82				
1,2-Dichlorobenzene	ND	ug/kg	4.1				
1,3-Dichlorobenzene	ND	ug/kg	4.1				
1,4-Dichlorobenzene	ND	ug/kg	4.1				
Methyl tert butyl ether	ND	ug/kg	1.6				
p/m-Xylene	ND	ug/kg	1.6				
o-Xylene	ND	ug/kg	1.6				
cis-1,2-Dichloroethene	1.4	ug/kg	0.82				
Dibromomethane	ND	ug/kg	8.2				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-06
B-534A-20-25-1.25-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 15:48 RY	
1,2,3-Trichloropropane	ND	ug/kg	8.2			
Styrene	ND	ug/kg	1.6			
Dichlorodifluoromethane	ND	ug/kg	8.2			
Acetone	10.	ug/kg	8.2			
Carbon disulfide	ND	ug/kg	8.2			
2-Butanone	ND	ug/kg	8.2			
4-Methyl-2-pentanone	ND	ug/kg	8.2			
2-Hexanone	ND	ug/kg	8.2			
Bromochloromethane	ND	ug/kg	4.1			
Tetrahydrofuran	ND	ug/kg	16.			
2,2-Dichloropropane	ND	ug/kg	4.1			
1,2-Dibromoethane	ND	ug/kg	3.3			
1,3-Dichloropropane	ND	ug/kg	4.1			
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.82			
Bromobenzene	ND	ug/kg	4.1			
n-Butylbenzene	ND	ug/kg	0.82			
sec-Butylbenzene	ND	ug/kg	0.82			
tert-Butylbenzene	ND	ug/kg	4.1			
o-Chlorotoluene	ND	ug/kg	4.1			
p-Chlorotoluene	ND	ug/kg	4.1			
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.1			
Hexachlorobutadiene	ND	ug/kg	4.1			
Isopropylbenzene	ND	ug/kg	0.82			
p-Isopropyltoluene	ND	ug/kg	0.82			
Naphthalene	ND	ug/kg	4.1			
n-Propylbenzene	ND	ug/kg	0.82			
1,2,3-Trichlorobenzene	ND	ug/kg	4.1			
1,2,4-Trichlorobenzene	ND	ug/kg	4.1			
1,3,5-Trimethylbenzene	ND	ug/kg	4.1			
1,2,4-Trimethylbenzene	ND	ug/kg	4.1			
Ethyl ether	ND	ug/kg	4.1			
Isopropyl Ether	ND	ug/kg	3.3			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.3			
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.3			
1,4-Dioxane	ND	ug/kg	410			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100.	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	99.0	%	70-130			
Dibromofluoromethane	104.	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-07	Date Collected: 31-JAN-2006 12:00
B-531A-15-20-3.1-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	73.	%	0.10	30 2540G	0206 13:57	PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B	0206 16:59	RY
Methylene chloride	ND	ug/kg	8.4			
1,1-Dichloroethane	ND	ug/kg	1.3			
Chloroform	ND	ug/kg	1.3			
Carbon tetrachloride	ND	ug/kg	0.84			
1,2-Dichloropropane	ND	ug/kg	3.0			
Dibromochloromethane	ND	ug/kg	0.84			
1,1,2-Trichloroethane	ND	ug/kg	1.3			
Tetrachloroethene	63.	ug/kg	0.84			
Chlorobenzene	ND	ug/kg	0.84			
Trichlorofluoromethane	ND	ug/kg	4.2			
1,2-Dichloroethane	ND	ug/kg	0.84			
1,1,1-Trichloroethane	ND	ug/kg	0.84			
Bromodichloromethane	ND	ug/kg	0.84			
trans-1,3-Dichloropropene	ND	ug/kg	0.84			
cis-1,3-Dichloropropene	ND	ug/kg	0.84			
1,1-Dichloropropene	ND	ug/kg	4.2			
Bromoform	ND	ug/kg	3.4			
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.84			
Benzene	ND	ug/kg	0.84			
Toluene	ND	ug/kg	1.3			
Ethylbenzene	ND	ug/kg	0.84			
Chloromethane	ND	ug/kg	4.2			
Bromomethane	ND	ug/kg	1.7			
Vinyl chloride	ND	ug/kg	1.7			
Chloroethane	ND	ug/kg	1.7			
1,1-Dichloroethene	ND	ug/kg	0.84			
trans-1,2-Dichloroethene	ND	ug/kg	1.3			
Trichloroethene	>170	ug/kg	.84			
1,2-Dichlorobenzene	ND	ug/kg	4.2			
1,3-Dichlorobenzene	ND	ug/kg	4.2			
1,4-Dichlorobenzene	ND	ug/kg	4.2			
Methyl tert butyl ether	ND	ug/kg	1.7			
p/m-Xylene	ND	ug/kg	1.7			
o-Xylene	ND	ug/kg	1.7			
cis-1,2-Dichloroethene	53.	ug/kg	0.84			
Dibromomethane	ND	ug/kg	8.4			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-07
B-531A-15-20-3.1-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 16:59 RY	
1,2,3-Trichloropropane	ND	ug/kg	8.4			
Styrene	ND	ug/kg	1.7			
Dichlorodifluoromethane	ND	ug/kg	8.4			
Acetone	ND	ug/kg	8.4			
Carbon disulfide	ND	ug/kg	8.4			
2-Butanone	ND	ug/kg	8.4			
4-Methyl-2-pentanone	ND	ug/kg	8.4			
2-Hexanone	ND	ug/kg	8.4			
Bromochloromethane	ND	ug/kg	4.2			
Tetrahydrofuran	ND	ug/kg	17.			
2,2-Dichloropropane	ND	ug/kg	4.2			
1,2-Dibromoethane	ND	ug/kg	3.4			
1,3-Dichloropropane	ND	ug/kg	4.2			
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.84			
Bromobenzene	ND	ug/kg	4.2			
n-Butylbenzene	ND	ug/kg	0.84			
sec-Butylbenzene	ND	ug/kg	0.84			
tert-Butylbenzene	ND	ug/kg	4.2			
o-Chlorotoluene	ND	ug/kg	4.2			
p-Chlorotoluene	ND	ug/kg	4.2			
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2			
Hexachlorobutadiene	ND	ug/kg	4.2			
Isopropylbenzene	ND	ug/kg	0.84			
p-Isopropyltoluene	ND	ug/kg	0.84			
Naphthalene	ND	ug/kg	4.2			
n-Propylbenzene	ND	ug/kg	0.84			
1,2,3-Trichlorobenzene	ND	ug/kg	4.2			
1,2,4-Trichlorobenzene	ND	ug/kg	4.2			
1,3,5-Trimethylbenzene	ND	ug/kg	4.2			
1,2,4-Trimethylbenzene	ND	ug/kg	4.2			
Ethyl ether	ND	ug/kg	4.2			
Isopropyl Ether	ND	ug/kg	3.4			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.4			
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.4			
1,4-Dioxane	ND	ug/kg	420			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	106.	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	102.	%	70-130			
Dibromofluoromethane	108.	%	70-130			
Volatile Organics by MCP 8260B/5035-High				60 8260B	0207 11:18 RY	
Trichloroethene	440	ug/kg	150			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	92.0	%	70-130			
Toluene-d8	100.	%	70-130			
4-Bromofluorobenzene	93.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-07
B-531A-15-20-3.1-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B			0207 11:18 RY
Dibromofluoromethane	97.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-08	Date Collected: 31-JAN-2006 13:00
	Date Received : 02-FEB-2006
Sample Matrix: B-531B-10-15-2.5-01 SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	77.	%	0.10	30 2540G		0206 13:57	PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B		0206 20:34	RY
Methylene chloride	ND	ug/kg	1200				
1,1-Dichloroethane	ND	ug/kg	180				
Chloroform	ND	ug/kg	180				
Carbon tetrachloride	ND	ug/kg	120				
1,2-Dichloropropane	ND	ug/kg	420				
Dibromochloromethane	ND	ug/kg	120				
1,1,2-Trichloroethane	ND	ug/kg	180				
Tetrachloroethene	250	ug/kg	120				
Chlorobenzene	ND	ug/kg	120				
Trichlorofluoromethane	ND	ug/kg	600				
1,2-Dichloroethane	ND	ug/kg	120				
1,1,1-Trichloroethane	ND	ug/kg	120				
Bromodichloromethane	ND	ug/kg	120				
trans-1,3-Dichloropropene	ND	ug/kg	120				
cis-1,3-Dichloropropene	ND	ug/kg	120				
1,1-Dichloropropene	ND	ug/kg	600				
Bromoform	ND	ug/kg	480				
1,1,2,2-Tetrachloroethane	ND	ug/kg	120				
Benzene	ND	ug/kg	120				
Toluene	ND	ug/kg	180				
Ethylbenzene	ND	ug/kg	120				
Chloromethane	ND	ug/kg	600				
Bromomethane	ND	ug/kg	240				
Vinyl chloride	ND	ug/kg	240				
Chloroethane	ND	ug/kg	240				
1,1-Dichloroethene	ND	ug/kg	120				
trans-1,2-Dichloroethene	ND	ug/kg	180				
Trichloroethene	1300	ug/kg	120				
1,2-Dichlorobenzene	ND	ug/kg	600				
1,3-Dichlorobenzene	ND	ug/kg	600				
1,4-Dichlorobenzene	ND	ug/kg	600				
Methyl tert butyl ether	ND	ug/kg	240				
p/m-Xylene	ND	ug/kg	240				
o-Xylene	ND	ug/kg	240				
cis-1,2-Dichloroethene	380	ug/kg	120				
Dibromomethane	ND	ug/kg	1200				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-08
B-531B-10-15-2.5-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B		0206 20:34 RY	
1,2,3-Trichloropropane	ND	ug/kg	1200				
Styrene	ND	ug/kg	240				
Dichlorodifluoromethane	ND	ug/kg	1200				
Acetone	ND	ug/kg	1200				
Carbon disulfide	ND	ug/kg	1200				
2-Butanone	ND	ug/kg	1200				
4-Methyl-2-pentanone	ND	ug/kg	1200				
2-Hexanone	ND	ug/kg	1200				
Bromochloromethane	ND	ug/kg	600				
Tetrahydrofuran	ND	ug/kg	2400				
2,2-Dichloropropane	ND	ug/kg	600				
1,2-Dibromoethane	ND	ug/kg	480				
1,3-Dichloropropane	ND	ug/kg	600				
1,1,1,2-Tetrachloroethane	ND	ug/kg	120				
Bromobenzene	ND	ug/kg	600				
n-Butylbenzene	ND	ug/kg	120				
sec-Butylbenzene	ND	ug/kg	120				
tert-Butylbenzene	ND	ug/kg	600				
o-Chlorotoluene	ND	ug/kg	600				
p-Chlorotoluene	ND	ug/kg	600				
1,2-Dibromo-3-chloropropane	ND	ug/kg	600				
Hexachlorobutadiene	ND	ug/kg	600				
Isopropylbenzene	ND	ug/kg	120				
p-Isopropyltoluene	ND	ug/kg	120				
Naphthalene	ND	ug/kg	600				
n-Propylbenzene	ND	ug/kg	120				
1,2,3-Trichlorobenzene	ND	ug/kg	600				
1,2,4-Trichlorobenzene	ND	ug/kg	600				
1,3,5-Trimethylbenzene	ND	ug/kg	600				
1,2,4-Trimethylbenzene	ND	ug/kg	600				
Ethyl ether	ND	ug/kg	600				
Isopropyl Ether	ND	ug/kg	480				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	480				
Tertiary-Amyl Methyl Ether	ND	ug/kg	480				
1,4-Dioxane	ND	ug/kg	60000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	92.0	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	93.0	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-09	Date Collected: 31-JAN-2006 13:30
B-529-15-20-2.8-01	Date Received : 02-FEB-2006
Sample Matrix: SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	76.	%	0.10	30 2540G			0206 13:57 PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0206 17:34 RY
Methylene chloride	ND	ug/kg	7.6				
1,1-Dichloroethane	ND	ug/kg	1.1				
Chloroform	ND	ug/kg	1.1				
Carbon tetrachloride	ND	ug/kg	0.76				
1,2-Dichloropropane	ND	ug/kg	2.6				
Dibromochloromethane	ND	ug/kg	0.76				
1,1,2-Trichloroethane	ND	ug/kg	1.1				
Tetrachloroethene	6.3	ug/kg	0.76				
Chlorobenzene	ND	ug/kg	0.76				
Trichlorofluoromethane	ND	ug/kg	3.8				
1,2-Dichloroethane	ND	ug/kg	0.76				
1,1,1-Trichloroethane	ND	ug/kg	0.76				
Bromodichloromethane	ND	ug/kg	0.76				
trans-1,3-Dichloropropene	ND	ug/kg	0.76				
cis-1,3-Dichloropropene	ND	ug/kg	0.76				
1,1-Dichloropropene	ND	ug/kg	3.8				
Bromoform	ND	ug/kg	3.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.76				
Benzene	ND	ug/kg	0.76				
Toluene	ND	ug/kg	1.1				
Ethylbenzene	ND	ug/kg	0.76				
Chloromethane	ND	ug/kg	3.8				
Bromomethane	ND	ug/kg	1.5				
Vinyl chloride	ND	ug/kg	1.5				
Chloroethane	ND	ug/kg	1.5				
1,1-Dichloroethene	ND	ug/kg	0.76				
trans-1,2-Dichloroethene	ND	ug/kg	1.1				
Trichloroethene	30.	ug/kg	0.76				
1,2-Dichlorobenzene	ND	ug/kg	3.8				
1,3-Dichlorobenzene	ND	ug/kg	3.8				
1,4-Dichlorobenzene	ND	ug/kg	3.8				
Methyl tert butyl ether	ND	ug/kg	1.5				
p/m-Xylene	ND	ug/kg	1.5				
o-Xylene	ND	ug/kg	1.5				
cis-1,2-Dichloroethene	3.5	ug/kg	0.76				
Dibromomethane	ND	ug/kg	7.6				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-09
B-529-15-20-2.8-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 17:34 RY	
1,2,3-Trichloropropane	ND	ug/kg	7.6			
Styrene	ND	ug/kg	1.5			
Dichlorodifluoromethane	ND	ug/kg	7.6			
Acetone	ND	ug/kg	7.6			
Carbon disulfide	ND	ug/kg	7.6			
2-Butanone	ND	ug/kg	7.6			
4-Methyl-2-pentanone	ND	ug/kg	7.6			
2-Hexanone	ND	ug/kg	7.6			
Bromochloromethane	ND	ug/kg	3.8			
Tetrahydrofuran	ND	ug/kg	15.			
2,2-Dichloropropane	ND	ug/kg	3.8			
1,2-Dibromoethane	ND	ug/kg	3.0			
1,3-Dichloropropane	ND	ug/kg	3.8			
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.76			
Bromobenzene	ND	ug/kg	3.8			
n-Butylbenzene	ND	ug/kg	0.76			
sec-Butylbenzene	ND	ug/kg	0.76			
tert-Butylbenzene	ND	ug/kg	3.8			
o-Chlorotoluene	ND	ug/kg	3.8			
p-Chlorotoluene	ND	ug/kg	3.8			
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8			
Hexachlorobutadiene	ND	ug/kg	3.8			
Isopropylbenzene	ND	ug/kg	0.76			
p-Isopropyltoluene	ND	ug/kg	0.76			
Naphthalene	ND	ug/kg	3.8			
n-Propylbenzene	ND	ug/kg	0.76			
1,2,3-Trichlorobenzene	ND	ug/kg	3.8			
1,2,4-Trichlorobenzene	ND	ug/kg	3.8			
1,3,5-Trimethylbenzene	ND	ug/kg	3.8			
1,2,4-Trimethylbenzene	ND	ug/kg	3.8			
Ethyl ether	ND	ug/kg	3.8			
Isopropyl Ether	ND	ug/kg	3.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.0			
1,4-Dioxane	ND	ug/kg	380			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	107.	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	98.0	%	70-130			
Dibromofluoromethane	105.	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601529-10	Date Collected: 19-JAN-2006 17:30
	Date Received : 02-FEB-2006
Sample Matrix: TB-001-20060131-01 SOIL	Date Reported : 09-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 3-Vial	

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-Low				60 8260B	0206 16:23 RY		
Methylene chloride	ND	ug/kg	10.				
1,1-Dichloroethane	ND	ug/kg	1.5				
Chloroform	ND	ug/kg	1.5				
Carbon tetrachloride	ND	ug/kg	1.0				
1,2-Dichloropropane	ND	ug/kg	3.5				
Dibromochloromethane	ND	ug/kg	1.0				
1,1,2-Trichloroethane	ND	ug/kg	1.5				
Tetrachloroethene	ND	ug/kg	1.0				
Chlorobenzene	ND	ug/kg	1.0				
Trichlorofluoromethane	ND	ug/kg	5.0				
1,2-Dichloroethane	ND	ug/kg	1.0				
1,1,1-Trichloroethane	ND	ug/kg	1.0				
Bromodichloromethane	ND	ug/kg	1.0				
trans-1,3-Dichloropropene	ND	ug/kg	1.0				
cis-1,3-Dichloropropene	ND	ug/kg	1.0				
1,1-Dichloropropene	ND	ug/kg	5.0				
Bromoform	ND	ug/kg	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0				
Benzene	ND	ug/kg	1.0				
Toluene	ND	ug/kg	1.5				
Ethylbenzene	ND	ug/kg	1.0				
Chloromethane	ND	ug/kg	5.0				
Bromomethane	ND	ug/kg	2.0				
Vinyl chloride	ND	ug/kg	2.0				
Chloroethane	ND	ug/kg	2.0				
1,1-Dichloroethene	ND	ug/kg	1.0				
trans-1,2-Dichloroethene	ND	ug/kg	1.5				
Trichloroethene	ND	ug/kg	1.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	2.0				
p/m-Xylene	ND	ug/kg	2.0				
o-Xylene	ND	ug/kg	2.0				
cis-1,2-Dichloroethene	ND	ug/kg	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-10
TB-001-20060131-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 16:23 RY	
Dibromomethane	ND	ug/kg	10.			
1,2,3-Trichloropropane	ND	ug/kg	10.			
Styrene	ND	ug/kg	2.0			
Dichlorodifluoromethane	ND	ug/kg	10.			
Acetone	ND	ug/kg	10.			
Carbon disulfide	ND	ug/kg	10.			
2-Butanone	ND	ug/kg	10.			
4-Methyl-2-pentanone	ND	ug/kg	10.			
2-Hexanone	ND	ug/kg	10.			
Bromochloromethane	ND	ug/kg	5.0			
Tetrahydrofuran	ND	ug/kg	20.			
2,2-Dichloropropane	ND	ug/kg	5.0			
1,2-Dibromoethane	ND	ug/kg	4.0			
1,3-Dichloropropane	ND	ug/kg	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0			
Bromobenzene	ND	ug/kg	5.0			
n-Butylbenzene	ND	ug/kg	1.0			
sec-Butylbenzene	ND	ug/kg	1.0			
tert-Butylbenzene	ND	ug/kg	5.0			
o-Chlorotoluene	ND	ug/kg	5.0			
p-Chlorotoluene	ND	ug/kg	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0			
Hexachlorobutadiene	ND	ug/kg	5.0			
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	103.	%	70-130			
Toluene-d8	98.0	%	70-130			
4-Bromofluorobenzene	99.0	%	70-130			
Dibromofluoromethane	106.	%	70-130			
Volatile Organics by MCP 8260B/5035-High				60 8260B	0206 21:11 RY	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-10
TB-001-20060131-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B		0206 21:11 RY	
Dibromochloromethane	ND	ug/kg	50.				
1,1,2-Trichloroethane	ND	ug/kg	75.				
Tetrachloroethene	ND	ug/kg	50.				
Chlorobenzene	ND	ug/kg	50.				
Trichlorofluoromethane	ND	ug/kg	250				
1,2-Dichloroethane	ND	ug/kg	50.				
1,1,1-Trichloroethane	ND	ug/kg	50.				
Bromodichloromethane	ND	ug/kg	50.				
trans-1,3-Dichloropropene	ND	ug/kg	50.				
cis-1,3-Dichloropropene	ND	ug/kg	50.				
1,1-Dichloropropene	ND	ug/kg	250				
Bromoform	ND	ug/kg	200				
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.				
Benzene	ND	ug/kg	50.				
Toluene	ND	ug/kg	75.				
Ethylbenzene	ND	ug/kg	50.				
Chloromethane	ND	ug/kg	250				
Bromomethane	ND	ug/kg	100				
Vinyl chloride	ND	ug/kg	100				
Chloroethane	ND	ug/kg	100				
1,1-Dichloroethene	ND	ug/kg	50.				
trans-1,2-Dichloroethene	ND	ug/kg	75.				
Trichloroethene	ND	ug/kg	50.				
1,2-Dichlorobenzene	ND	ug/kg	250				
1,3-Dichlorobenzene	ND	ug/kg	250				
1,4-Dichlorobenzene	ND	ug/kg	250				
Methyl tert butyl ether	ND	ug/kg	100				
p/m-Xylene	ND	ug/kg	100				
o-Xylene	ND	ug/kg	100				
cis-1,2-Dichloroethene	ND	ug/kg	50.				
Dibromomethane	ND	ug/kg	500				
1,2,3-Trichloropropane	ND	ug/kg	500				
Styrene	ND	ug/kg	100				
Dichlorodifluoromethane	ND	ug/kg	500				
Acetone	ND	ug/kg	500				
Carbon disulfide	ND	ug/kg	500				
2-Butanone	ND	ug/kg	500				
4-Methyl-2-pentanone	ND	ug/kg	500				
2-Hexanone	ND	ug/kg	500				
Bromochloromethane	ND	ug/kg	250				
Tetrahydrofuran	ND	ug/kg	1000				
2,2-Dichloropropane	ND	ug/kg	250				
1,2-Dibromoethane	ND	ug/kg	200				
1,3-Dichloropropane	ND	ug/kg	250				
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.				
Bromobenzene	ND	ug/kg	250				
n-Butylbenzene	ND	ug/kg	50.				
sec-Butylbenzene	ND	ug/kg	50.				
tert-Butylbenzene	ND	ug/kg	250				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601529-10
 TB-001-20060131-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0206 21:11 RY		
o-Chlorotoluene	ND	ug/kg	250				
p-Chlorotoluene	ND	ug/kg	250				
1,2-Dibromo-3-chloropropane	ND	ug/kg	250				
Hexachlorobutadiene	ND	ug/kg	250				
Isopropylbenzene	ND	ug/kg	50.				
p-Isopropyltoluene	ND	ug/kg	50.				
Naphthalene	ND	ug/kg	250				
n-Propylbenzene	ND	ug/kg	50.				
1,2,3-Trichlorobenzene	ND	ug/kg	250				
1,2,4-Trichlorobenzene	ND	ug/kg	250				
1,3,5-Trimethylbenzene	ND	ug/kg	250				
1,2,4-Trimethylbenzene	ND	ug/kg	250				
Ethyl ether	ND	ug/kg	250				
Isopropyl Ether	ND	ug/kg	200				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200				
Tertiary-Amyl Methyl Ether	ND	ug/kg	200				
1,4-Dioxane	ND	ug/kg	25000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	91.0	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	92.0	%	70-130				
Dibromofluoromethane	96.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0601529

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-09 (L0601509-02, WG228772-1)					
Solids, Total	90.	91.	%	1	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 03,06-07,09-10 (WG228874-1, WG228874-2)					
Methylene chloride	86	90	5	25	70-130
1,1-Dichloroethane	99	100	1	25	70-130
Chloroform	96	98	2	25	70-130
Carbon tetrachloride	101	105	4	25	70-130
1,2-Dichloropropane	106	105	1	25	70-130
Dibromochloromethane	101	105	4	25	70-130
1,1,2-Trichloroethane	109	107	2	25	70-130
Tetrachloroethene	111	104	7	25	70-130
Chlorobenzene	109	106	3	25	70-130
Trichlorofluoromethane	97	96	1	25	70-130
1,2-Dichloroethane	96	97	1	25	70-130
1,1,1-Trichloroethane	100	101	1	25	70-130
Bromodichloromethane	101	104	3	25	70-130
trans-1,3-Dichloropropene	95	96	1	25	70-130
cis-1,3-Dichloropropene	100	102	2	25	70-130
1,1-Dichloropropene	99	99	0	25	70-130
Bromoform	106	110	4	50	70-130
1,1,2,2-Tetrachloroethane	102	101	1	25	70-130
Benzene	101	100	1	25	70-130
Toluene	104	100	4	25	70-130
Ethylbenzene	110	107	3	25	70-130
Chloromethane	90	87	3	50	70-130
Bromomethane	112	117	4	50	70-130
Vinyl chloride	82	80	2	25	70-130
Chloroethane	112	113	1	25	70-130
1,1-Dichloroethene	98	97	1	25	70-130
trans-1,2-Dichloroethene	101	100	1	25	70-130
Trichloroethene	102	101	1	25	70-130
1,2-Dichlorobenzene	105	103	2	25	70-130
1,3-Dichlorobenzene	107	104	3	25	70-130
1,4-Dichlorobenzene	112	109	3	25	70-130
Methyl tert butyl ether	94	97	3	25	70-130
p/m-Xylene	115	112	3	25	70-130
o-Xylene	113	111	2	25	70-130
cis-1,2-Dichloroethene	103	104	1	25	70-130
Dibromomethane	103	103	0	25	70-130
1,2,3-Trichloropropane	111	109	2	25	70-130
Styrene	117	114	3	25	70-130
Dichlorodifluoromethane	100	99	1	50	70-130
Acetone	76	75	1	50	70-130
Carbon disulfide	77	76	1	25	70-130
2-Butanone	80	82	2	50	70-130
4-Methyl-2-pentanone	92	94	2	50	70-130
2-Hexanone	87	87	0	50	70-130
Bromochloromethane	102	103	1	25	70-130
Tetrahydrofuran	80	80	0	25	70-130
2,2-Dichloropropane	103	107	4	50	70-130
1,2-Dibromoethane	106	108	2	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 03,06-07,09-10 (WG228874-1, WG228874-2)					
1,3-Dichloropropane	108	107	1	25	70-130
1,1,1,2-Tetrachloroethane	113	113	0	25	70-130
Bromobenzene	110	106	4	25	70-130
n-Butylbenzene	95	94	1	25	70-130
sec-Butylbenzene	104	101	3	25	70-130
tert-Butylbenzene	106	105	1	25	70-130
o-Chlorotoluene	107	104	3	25	70-130
p-Chlorotoluene	105	102	3	25	70-130
1,2-Dibromo-3-chloropropane	91	95	4	50	70-130
Hexachlorobutadiene	104	100	4	25	70-130
Isopropylbenzene	122	119	2	25	70-130
p-Isopropyltoluene	106	106	0	25	70-130
Naphthalene	95	100	5	25	70-130
n-Propylbenzene	109	105	4	25	70-130
1,2,3-Trichlorobenzene	101	99	2	25	70-130
1,2,4-Trichlorobenzene	100	97	3	25	70-130
1,3,5-Trimethylbenzene	102	106	4	25	70-130
1,2,4-Trimethylbenzene	97	108	11	25	70-130
Ethyl ether	100	101	1	25	70-130
Isopropyl Ether	87	87	0	25	70-130
Ethyl-Tert-Butyl-Ether	95	97	2	25	70-130
Tertiary-Amyl Methyl Ether	95	96	1	25	70-130
1,4-Dioxane	98	99	1	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	94	94	0		70-130
Toluene-d8	103	101	2		70-130
4-Bromofluorobenzene	95	94	1		70-130
Dibromofluoromethane	99	101	2		70-130
Volatile Organics by MCP 8260B/5035-Low for sample(s) 02 (WG228934-1, WG228934-2)					
Methylene chloride	83	88	6	25	70-130
1,1-Dichloroethane	100	106	6	25	70-130
Chloroform	98	103	5	25	70-130
Carbon tetrachloride	104	115	10	25	70-130
1,2-Dichloropropane	103	109	6	25	70-130
Dibromochloromethane	103	113	9	25	70-130
1,1,2-Trichloroethane	110	116	5	25	70-130
Tetrachloroethene	109	116	6	25	70-130
Chlorobenzene	108	114	5	25	70-130
Trichlorofluoromethane	105	111	6	25	70-130
1,2-Dichloroethane	100	106	6	25	70-130
1,1,1-Trichloroethane	102	109	7	25	70-130
Bromodichloromethane	104	113	8	25	70-130
trans-1,3-Dichloropropene	97	104	7	25	70-130
cis-1,3-Dichloropropene	99	106	7	25	70-130
1,1-Dichloropropene	99	105	6	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 02 (WG228934-1, WG228934-2)					
Bromoform	107	117	9	50	70-130
1,1,2,2-Tetrachloroethane	105	104	1	25	70-130
Benzene	97	104	7	25	70-130
Toluene	102	109	7	25	70-130
Ethylbenzene	109	115	5	25	70-130
Chloromethane	106	108	2	50	70-130
Bromomethane	106	126	17	50	70-130
Vinyl chloride	118	96	21	25	70-130
Chloroethane	118	126	7	25	70-130
1,1-Dichloroethene	98	102	4	25	70-130
trans-1,2-Dichloroethene	99	104	5	25	70-130
Trichloroethene	102	108	6	25	70-130
1,2-Dichlorobenzene	103	110	7	25	70-130
1,3-Dichlorobenzene	104	112	7	25	70-130
1,4-Dichlorobenzene	109	116	6	25	70-130
Methyl tert butyl ether	88	92	4	25	70-130
p/m-Xylene	112	119	6	25	70-130
o-Xylene	108	114	5	25	70-130
cis-1,2-Dichloroethene	102	107	5	25	70-130
Dibromomethane	104	110	6	25	70-130
1,2,3-Trichloropropane	115	115	0	25	70-130
Styrene	111	118	6	25	70-130
Dichlorodifluoromethane	127	128	1	50	70-130
Acetone	84	78	7	50	70-130
Carbon disulfide	75	78	4	25	70-130
2-Butanone	84	83	1	50	70-130
4-Methyl-2-pentanone	90	89	1	50	70-130
2-Hexanone	90	86	5	50	70-130
Bromochloromethane	101	106	5	25	70-130
Tetrahydrofuran	89	88	1	25	70-130
2,2-Dichloropropane	104	111	7	50	70-130
1,2-Dibromoethane	107	111	4	25	70-130
1,3-Dichloropropane	107	112	5	25	70-130
1,1,1,2-Tetrachloroethane	111	121	9	25	70-130
Bromobenzene	109	113	4	25	70-130
n-Butylbenzene	92	105	13	25	70-130
sec-Butylbenzene	101	108	7	25	70-130
tert-Butylbenzene	104	110	6	25	70-130
o-Chlorotoluene	108	114	5	25	70-130
p-Chlorotoluene	105	110	5	25	70-130
1,2-Dibromo-3-chloropropane	97	98	1	50	70-130
Hexachlorobutadiene	106	112	6	25	70-130
Isopropylbenzene	119	126	6	25	70-130
p-Isopropyltoluene	102	115	12	25	70-130
Naphthalene	87	101	15	25	70-130
n-Propylbenzene	107	113	5	25	70-130
1,2,3-Trichlorobenzene	94	103	9	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 02 (WG228934-1, WG228934-2)					
1,2,4-Trichlorobenzene	94	102	8	25	70-130
1,3,5-Trimethylbenzene	98	115	16	25	70-130
1,2,4-Trimethylbenzene	92	115	22	25	70-130
Ethyl ether	96	100	4	25	70-130
Isopropyl Ether	85	90	6	25	70-130
Ethyl-Tert-Butyl-Ether	88	94	7	25	70-130
Tertiary-Amyl Methyl Ether	85	91	7	25	70-130
1,4-Dioxane	98	98	0	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	94	96	2		70-130
Toluene-d8	101	102	1		70-130
4-Bromofluorobenzene	95	96	1		70-130
Dibromofluoromethane	98	99	1		70-130
Volatile Organics by MCP 8260B/5035-High for sample(s) 01-02,04-05,08,10 (WG228872-1, WG228872-2)					
Methylene chloride	86	90	5	25	70-130
1,1-Dichloroethane	99	100	1	25	70-130
Chloroform	96	98	2	25	70-130
Carbon tetrachloride	101	105	4	25	70-130
1,2-Dichloropropane	106	105	1	25	70-130
Dibromochloromethane	101	105	4	25	70-130
1,1,2-Trichloroethane	109	107	2	25	70-130
Tetrachloroethene	111	104	7	25	70-130
Chlorobenzene	109	106	3	25	70-130
Trichlorofluoromethane	97	96	1	25	70-130
1,2-Dichloroethane	96	97	1	25	70-130
1,1,1-Trichloroethane	100	101	1	25	70-130
Bromodichloromethane	101	104	3	25	70-130
trans-1,3-Dichloropropene	95	96	1	25	70-130
cis-1,3-Dichloropropene	100	102	2	25	70-130
1,1-Dichloropropene	99	99	0	25	70-130
Bromoform	106	110	4	50	70-130
1,1,2,2-Tetrachloroethane	102	101	1	25	70-130
Benzene	101	100	1	25	70-130
Toluene	104	100	4	25	70-130
Ethylbenzene	110	107	3	25	70-130
Chloromethane	90	87	3	50	70-130
Bromomethane	112	117	4	50	70-130
Vinyl chloride	82	80	2	25	70-130
Chloroethane	112	113	1	25	70-130
1,1-Dichloroethene	98	97	1	25	70-130
trans-1,2-Dichloroethene	101	100	1	25	70-130
Trichloroethene	102	101	1	25	70-130
1,2-Dichlorobenzene	105	103	2	25	70-130
1,3-Dichlorobenzene	107	104	3	25	70-130
1,4-Dichlorobenzene	112	109	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 01-02,04-05,08,10 (WG228872-1, WG228872-2)					
Methyl tert butyl ether	94	97	3	25	70-130
p/m-Xylene	115	112	3	25	70-130
o-Xylene	113	111	2	25	70-130
cis-1,2-Dichloroethene	103	104	1	25	70-130
Dibromomethane	103	103	0	25	70-130
1,2,3-Trichloropropane	111	109	2	25	70-130
Styrene	117	114	3	25	70-130
Dichlorodifluoromethane	100	99	1	50	70-130
Acetone	76	75	1	50	70-130
Carbon disulfide	77	76	1	25	70-130
2-Butanone	80	82	2	50	70-130
4-Methyl-2-pentanone	92	94	2	50	70-130
2-Hexanone	87	87	0	50	70-130
Bromochloromethane	102	103	1	25	70-130
Tetrahydrofuran	80	80	0	25	70-130
2,2-Dichloropropane	103	107	4	50	70-130
1,2-Dibromoethane	106	108	2	25	70-130
1,3-Dichloropropane	108	107	1	25	70-130
1,1,1,2-Tetrachloroethane	113	113	0	25	70-130
Bromobenzene	110	106	4	25	70-130
n-Butylbenzene	95	94	1	25	70-130
sec-Butylbenzene	104	101	3	25	70-130
tert-Butylbenzene	106	105	1	25	70-130
o-Chlorotoluene	107	104	3	25	70-130
p-Chlorotoluene	105	102	3	25	70-130
1,2-Dibromo-3-chloropropane	91	95	4	50	70-130
Hexachlorobutadiene	104	100	4	25	70-130
Isopropylbenzene	122	119	2	25	70-130
p-Isopropyltoluene	106	106	0	25	70-130
Naphthalene	95	100	5	25	70-130
n-Propylbenzene	109	105	4	25	70-130
1,2,3-Trichlorobenzene	101	99	2	25	70-130
1,2,4-Trichlorobenzene	100	97	3	25	70-130
1,3,5-Trimethylbenzene	102	106	4	25	70-130
1,2,4-Trimethylbenzene	97	108	11	25	70-130
Ethyl ether	100	101	1	25	70-130
Isopropyl Ether	87	87	0	25	70-130
Ethyl-Tert-Butyl-Ether	95	97	2	25	70-130
Tertiary-Amyl Methyl Ether	95	96	1	25	70-130
1,4-Dioxane	98	99	1	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	94	94	0		70-130
Toluene-d8	103	101	2		70-130
4-Bromofluorobenzene	95	94	1		70-130
Dibromofluoromethane	99	101	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 07 (WG228872-4, WG228872-5)					
Methylene chloride	83	88	6	25	70-130
1,1-Dichloroethane	100	106	6	25	70-130
Chloroform	98	103	5	25	70-130
Carbon tetrachloride	104	115	10	25	70-130
1,2-Dichloropropane	103	109	6	25	70-130
Dibromochloromethane	103	113	9	25	70-130
1,1,2-Trichloroethane	110	116	5	25	70-130
Tetrachloroethene	109	116	6	25	70-130
Chlorobenzene	108	114	5	25	70-130
Trichlorofluoromethane	105	111	6	25	70-130
1,2-Dichloroethane	100	106	6	25	70-130
1,1,1-Trichloroethane	102	109	7	25	70-130
Bromodichloromethane	104	113	8	25	70-130
trans-1,3-Dichloropropene	97	104	7	25	70-130
cis-1,3-Dichloropropene	99	106	7	25	70-130
1,1-Dichloropropene	99	105	6	25	70-130
Bromoform	107	117	9	50	70-130
1,1,2,2-Tetrachloroethane	105	104	1	25	70-130
Benzene	97	104	7	25	70-130
Toluene	102	109	7	25	70-130
Ethylbenzene	109	115	5	25	70-130
Chloromethane	106	108	2	50	70-130
Bromomethane	106	126	17	50	70-130
Vinyl chloride	118	96	21	25	70-130
Chloroethane	118	126	7	25	70-130
1,1-Dichloroethene	98	102	4	25	70-130
trans-1,2-Dichloroethene	99	104	5	25	70-130
Trichloroethene	102	108	6	25	70-130
1,2-Dichlorobenzene	103	110	7	25	70-130
1,3-Dichlorobenzene	104	112	7	25	70-130
1,4-Dichlorobenzene	109	116	6	25	70-130
Methyl tert butyl ether	88	92	4	25	70-130
p/m-Xylene	112	119	6	25	70-130
o-Xylene	108	114	5	25	70-130
cis-1,2-Dichloroethene	102	107	5	25	70-130
Dibromomethane	104	110	6	25	70-130
1,2,3-Trichloropropane	115	115	0	25	70-130
Styrene	111	118	6	25	70-130
Dichlorodifluoromethane	127	128	1	50	70-130
Acetone	84	78	7	50	70-130
Carbon disulfide	75	78	4	25	70-130
2-Butanone	84	83	1	50	70-130
4-Methyl-2-pentanone	90	89	1	50	70-130
2-Hexanone	90	86	5	50	70-130
Bromochloromethane	101	106	5	25	70-130
Tetrahydrofuran	89	88	1	25	70-130
2,2-Dichloropropane	104	111	7	50	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601529

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 07 (WG228872-4, WG228872-5)					
1,2-Dibromoethane	107	111	4	25	70-130
1,3-Dichloropropane	107	112	5	25	70-130
1,1,1,2-Tetrachloroethane	111	121	9	25	70-130
Bromobenzene	109	113	4	25	70-130
n-Butylbenzene	92	105	13	25	70-130
sec-Butylbenzene	101	108	7	25	70-130
tert-Butylbenzene	104	110	6	25	70-130
o-Chlorotoluene	108	114	5	25	70-130
p-Chlorotoluene	105	110	5	25	70-130
1,2-Dibromo-3-chloropropane	97	98	1	50	70-130
Hexachlorobutadiene	106	112	6	25	70-130
Isopropylbenzene	119	126	6	25	70-130
p-Isopropyltoluene	102	115	12	25	70-130
Naphthalene	87	101	15	25	70-130
n-Propylbenzene	107	113	5	25	70-130
1,2,3-Trichlorobenzene	94	103	9	25	70-130
1,2,4-Trichlorobenzene	94	102	8	25	70-130
1,3,5-Trimethylbenzene	98	115	16	25	70-130
1,2,4-Trimethylbenzene	92	115	22	25	70-130
Ethyl ether	96	100	4	25	70-130
Isopropyl Ether	85	90	6	25	70-130
Ethyl-Tert-Butyl-Ether	88	94	7	25	70-130
Tertiary-Amyl Methyl Ether	85	91	7	25	70-130
1,4-Dioxane	98	98	0	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	94	96	2		70-130
Toluene-d8	101	102	1		70-130
4-Bromofluorobenzene	95	96	1		70-130
Dibromofluoromethane	98	99	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03,06-07,09-10 (WG228874-3)							
Volatile Organics by MCP 8260B/5035-Low				60 8260B		0206 11:37 RY	
Methylene chloride	ND	ug/kg	10.				
1,1-Dichloroethane	ND	ug/kg	1.5				
Chloroform	ND	ug/kg	1.5				
Carbon tetrachloride	ND	ug/kg	1.0				
1,2-Dichloropropane	ND	ug/kg	3.5				
Dibromochloromethane	ND	ug/kg	1.0				
1,1,2-Trichloroethane	ND	ug/kg	1.5				
Tetrachloroethene	ND	ug/kg	1.0				
Chlorobenzene	ND	ug/kg	1.0				
Trichlorofluoromethane	ND	ug/kg	5.0				
1,2-Dichloroethane	ND	ug/kg	1.0				
1,1,1-Trichloroethane	ND	ug/kg	1.0				
Bromodichloromethane	ND	ug/kg	1.0				
trans-1,3-Dichloropropene	ND	ug/kg	1.0				
cis-1,3-Dichloropropene	ND	ug/kg	1.0				
1,1-Dichloropropene	ND	ug/kg	5.0				
Bromoform	ND	ug/kg	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0				
Benzene	ND	ug/kg	1.0				
Toluene	ND	ug/kg	1.5				
Ethylbenzene	ND	ug/kg	1.0				
Chloromethane	ND	ug/kg	5.0				
Bromomethane	ND	ug/kg	2.0				
Vinyl chloride	ND	ug/kg	2.0				
Chloroethane	ND	ug/kg	2.0				
1,1-Dichloroethene	ND	ug/kg	1.0				
trans-1,2-Dichloroethene	ND	ug/kg	1.5				
Trichloroethene	ND	ug/kg	1.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	2.0				
p/m-Xylene	ND	ug/kg	2.0				
o-Xylene	ND	ug/kg	2.0				
cis-1,2-Dichloroethene	ND	ug/kg	1.0				
Dibromomethane	ND	ug/kg	10.				
1,2,3-Trichloropropane	ND	ug/kg	10.				
Styrene	ND	ug/kg	2.0				
Dichlorodifluoromethane	ND	ug/kg	10.				
Acetone	ND	ug/kg	10.				
Carbon disulfide	ND	ug/kg	10.				
2-Butanone	ND	ug/kg	10.				
4-Methyl-2-pentanone	ND	ug/kg	10.				
2-Hexanone	ND	ug/kg	10.				
Bromochloromethane	ND	ug/kg	5.0				
Tetrahydrofuran	ND	ug/kg	20.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 03,06-07,09-10 (WG228874-3)						
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0206 11:37 RY	
2,2-Dichloropropane	ND	ug/kg	5.0			
1,2-Dibromoethane	ND	ug/kg	4.0			
1,3-Dichloropropane	ND	ug/kg	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0			
Bromobenzene	ND	ug/kg	5.0			
n-Butylbenzene	ND	ug/kg	1.0			
sec-Butylbenzene	ND	ug/kg	1.0			
tert-Butylbenzene	ND	ug/kg	5.0			
o-Chlorotoluene	ND	ug/kg	5.0			
p-Chlorotoluene	ND	ug/kg	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0			
Hexachlorobutadiene	ND	ug/kg	5.0			
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	94.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	94.0	%	70-130			
Dibromofluoromethane	94.0	%	70-130			
Blank Analysis for sample(s) 02 (WG228934-3)						
Volatile Organics by MCP 8260B/5035-Low				60 8260B	0207 08:51 RY	
Methylene chloride	ND	ug/kg	10.			
1,1-Dichloroethane	ND	ug/kg	1.5			
Chloroform	ND	ug/kg	1.5			
Carbon tetrachloride	ND	ug/kg	1.0			
1,2-Dichloropropane	ND	ug/kg	3.5			
Dibromochloromethane	ND	ug/kg	1.0			
1,1,2-Trichloroethane	ND	ug/kg	1.5			
Tetrachloroethene	ND	ug/kg	1.0			
Chlorobenzene	ND	ug/kg	1.0			
Trichlorofluoromethane	ND	ug/kg	5.0			
1,2-Dichloroethane	ND	ug/kg	1.0			
1,1,1-Trichloroethane	ND	ug/kg	1.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG228934-3)							
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B		0207 08:51 RY	
Bromodichloromethane	ND	ug/kg	1.0				
trans-1,3-Dichloropropene	ND	ug/kg	1.0				
cis-1,3-Dichloropropene	ND	ug/kg	1.0				
1,1-Dichloropropene	ND	ug/kg	5.0				
Bromoform	ND	ug/kg	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0				
Benzene	ND	ug/kg	1.0				
Toluene	ND	ug/kg	1.5				
Ethylbenzene	ND	ug/kg	1.0				
Chloromethane	ND	ug/kg	5.0				
Bromomethane	ND	ug/kg	2.0				
Vinyl chloride	ND	ug/kg	2.0				
Chloroethane	ND	ug/kg	2.0				
1,1-Dichloroethene	ND	ug/kg	1.0				
trans-1,2-Dichloroethene	ND	ug/kg	1.5				
Trichloroethene	ND	ug/kg	1.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	2.0				
p/m-Xylene	ND	ug/kg	2.0				
o-Xylene	ND	ug/kg	2.0				
cis-1,2-Dichloroethene	ND	ug/kg	1.0				
Dibromomethane	ND	ug/kg	10.				
1,2,3-Trichloropropane	ND	ug/kg	10.				
Styrene	ND	ug/kg	2.0				
Dichlorodifluoromethane	ND	ug/kg	10.				
Acetone	ND	ug/kg	10.				
Carbon disulfide	ND	ug/kg	10.				
2-Butanone	ND	ug/kg	10.				
4-Methyl-2-pentanone	ND	ug/kg	10.				
2-Hexanone	ND	ug/kg	10.				
Bromochloromethane	ND	ug/kg	5.0				
Tetrahydrofuran	ND	ug/kg	20.				
2,2-Dichloropropane	ND	ug/kg	5.0				
1,2-Dibromoethane	ND	ug/kg	4.0				
1,3-Dichloropropane	ND	ug/kg	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0				
Bromobenzene	ND	ug/kg	5.0				
n-Butylbenzene	ND	ug/kg	1.0				
sec-Butylbenzene	ND	ug/kg	1.0				
tert-Butylbenzene	ND	ug/kg	5.0				
o-Chlorotoluene	ND	ug/kg	5.0				
p-Chlorotoluene	ND	ug/kg	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0				
Hexachlorobutadiene	ND	ug/kg	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02 (WG228934-3)						
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0207 08:51 RY	
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	98.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	96.0	%	70-130			
Dibromofluoromethane	93.0	%	70-130			
Blank Analysis for sample(s) 01-02,04-05,08,10 (WG228872-3)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0206 11:37 RY	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			
Bromodichloromethane	ND	ug/kg	50.			
trans-1,3-Dichloropropene	ND	ug/kg	50.			
cis-1,3-Dichloropropene	ND	ug/kg	50.			
1,1-Dichloropropene	ND	ug/kg	250			
Bromoform	ND	ug/kg	200			
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.			
Benzene	ND	ug/kg	50.			
Toluene	ND	ug/kg	75.			
Ethylbenzene	ND	ug/kg	50.			
Chloromethane	ND	ug/kg	250			
Bromomethane	ND	ug/kg	100			
Vinyl chloride	ND	ug/kg	100			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02,04-05,08,10 (WG228872-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0206 11:37 RY	
Chloroethane	ND	ug/kg	100			
1,1-Dichloroethene	ND	ug/kg	50.			
trans-1,2-Dichloroethene	ND	ug/kg	75.			
Trichloroethene	ND	ug/kg	50.			
1,2-Dichlorobenzene	ND	ug/kg	250			
1,3-Dichlorobenzene	ND	ug/kg	250			
1,4-Dichlorobenzene	ND	ug/kg	250			
Methyl tert butyl ether	ND	ug/kg	100			
p/m-Xylene	ND	ug/kg	100			
o-Xylene	ND	ug/kg	100			
cis-1,2-Dichloroethene	ND	ug/kg	50.			
Dibromomethane	ND	ug/kg	500			
1,2,3-Trichloropropane	ND	ug/kg	500			
Styrene	ND	ug/kg	100			
Dichlorodifluoromethane	ND	ug/kg	500			
Acetone	ND	ug/kg	500			
Carbon disulfide	ND	ug/kg	500			
2-Butanone	ND	ug/kg	500			
4-Methyl-2-pentanone	ND	ug/kg	500			
2-Hexanone	ND	ug/kg	500			
Bromochloromethane	ND	ug/kg	250			
Tetrahydrofuran	ND	ug/kg	1000			
2,2-Dichloropropane	ND	ug/kg	250			
1,2-Dibromoethane	ND	ug/kg	200			
1,3-Dichloropropane	ND	ug/kg	250			
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.			
Bromobenzene	ND	ug/kg	250			
n-Butylbenzene	ND	ug/kg	50.			
sec-Butylbenzene	ND	ug/kg	50.			
tert-Butylbenzene	ND	ug/kg	250			
o-Chlorotoluene	ND	ug/kg	250			
p-Chlorotoluene	ND	ug/kg	250			
1,2-Dibromo-3-chloropropane	ND	ug/kg	250			
Hexachlorobutadiene	ND	ug/kg	250			
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02,04-05,08,10 (WG228872-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0206 11:37 RY	
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	94.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	94.0	%	70-130			
Dibromofluoromethane	94.0	%	70-130			
Blank Analysis for sample(s) 07 (WG228872-6)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0207 08:51 RY	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			
Bromodichloromethane	ND	ug/kg	50.			
trans-1,3-Dichloropropene	ND	ug/kg	50.			
cis-1,3-Dichloropropene	ND	ug/kg	50.			
1,1-Dichloropropene	ND	ug/kg	250			
Bromoform	ND	ug/kg	200			
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.			
Benzene	ND	ug/kg	50.			
Toluene	ND	ug/kg	75.			
Ethylbenzene	ND	ug/kg	50.			
Chloromethane	ND	ug/kg	250			
Bromomethane	ND	ug/kg	100			
Vinyl chloride	ND	ug/kg	100			
Chloroethane	ND	ug/kg	100			
1,1-Dichloroethene	ND	ug/kg	50.			
trans-1,2-Dichloroethene	ND	ug/kg	75.			
Trichloroethene	ND	ug/kg	50.			
1,2-Dichlorobenzene	ND	ug/kg	250			
1,3-Dichlorobenzene	ND	ug/kg	250			
1,4-Dichlorobenzene	ND	ug/kg	250			
Methyl tert butyl ether	ND	ug/kg	100			
p/m-Xylene	ND	ug/kg	100			
o-Xylene	ND	ug/kg	100			
cis-1,2-Dichloroethene	ND	ug/kg	50.			
Dibromomethane	ND	ug/kg	500			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601529

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 07 (WG228872-6)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0207 08:51 RY	
1,2,3-Trichloropropane	ND	ug/kg	500			
Styrene	ND	ug/kg	100			
Dichlorodifluoromethane	ND	ug/kg	500			
Acetone	ND	ug/kg	500			
Carbon disulfide	ND	ug/kg	500			
2-Butanone	ND	ug/kg	500			
4-Methyl-2-pentanone	ND	ug/kg	500			
2-Hexanone	ND	ug/kg	500			
Bromochloromethane	ND	ug/kg	250			
Tetrahydrofuran	ND	ug/kg	1000			
2,2-Dichloropropane	ND	ug/kg	250			
1,2-Dibromoethane	ND	ug/kg	200			
1,3-Dichloropropane	ND	ug/kg	250			
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.			
Bromobenzene	ND	ug/kg	250			
n-Butylbenzene	ND	ug/kg	50.			
sec-Butylbenzene	ND	ug/kg	50.			
tert-Butylbenzene	ND	ug/kg	250			
o-Chlorotoluene	ND	ug/kg	250			
p-Chlorotoluene	ND	ug/kg	250			
1,2-Dibromo-3-chloropropane	ND	ug/kg	250			
Hexachlorobutadiene	ND	ug/kg	250			
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	98.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	96.0	%	70-130			
Dibromofluoromethane	93.0	%	70-130			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0601529

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0601529-01A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-01B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-01C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-01D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-02A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-02B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-02C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-02D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-03A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-03B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-03C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-03D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-04A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-04B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-04C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-04D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-05A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-05B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-05C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-05D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-06A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-06B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-06C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-06D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-07A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-07B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-07C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-07D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-08A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-08B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-08C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04
L0601529-08D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-09A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-09B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-09C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260LG-04
L0601529-09D	Plastic 2oz unpreserved for TS	A	N/A	1.3 C	Y	Absent	TS
L0601529-10A	Vial MeOH preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-10B	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04
L0601529-10C	Vial NaHSO4 preserved	A	N/A	1.3 C	Y	Absent	MCP-8260H-04, MCP-8260LG-04

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0601529

Continued

Container ID	Container Type	Cooler pH	Temp	Pres Seal	Analysis
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Container Comments

Container ID	Comments
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ALPHA ANALYTICAL LABORATORIES

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Westborough, Massachusetts 01581-1019
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MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0601593
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 03-FEB-2006
Attn: Jeremy Picard	Date Reported: 10-FEB-2006
Project Number: 0043036	Delivery Method: Alpha
Site: RAYTHEON-WAYLAND	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? YES

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0601593

Date Reported: 10-FEB-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0601593-01	B-529-20060131-01	WAYLAND, MA
L0601593-02	B-522-10-15-01	WAYLAND, MA
L0601593-03	COMP-20060201-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0601593

MCP Related Narratives

EPH by method EPH-04-1

Extraction method:

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the method.

SemiVolatile Organics by method 8270C

Extraction method: 3540C

In reference to question E:

The LCS/LCSD % recoveries for Aniline, 4-Chloroaniline, and 3,3'-Dichlorobenzidine are below the acceptance criteria for the method.

The LCSD % recovery for 2,6-Dinitrotoluene is above the acceptance criteria for the method.

The LCS/LCSD RPDs for the following are above the acceptance criteria for the method: 1,2,4-Trichlorobenzene, Bis(2-chloroisopropyl)ether, Bis(2-chloroethoxy)methane, Hexachlorobutadiene, Hexachloroethane, Naphthalene, 2-Chlorophenol, 2,4-Dichlorophenol, 2-Nitrophenol, Phenol, and 3-Methylphenol/4-Methylphenol.

PCB by method 8082

Extraction method: 3540C

Cleanup method: 3665A

Non-MCP Related Narratives

TCLP SemiVolatile Organics

The LCS and MS/MSD % recoveries for 2,4-Dinitrotoluene are above the acceptance criteria for the method.

TCLP Pesticides

The MS/MSD RPDs for the following are above the acceptance criteria for the method: Lindane, Heptachlor, Heptachlor epoxide, Endrin, and Methoxychlor.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601593-01	Date Collected: 31-JAN-2006 13:40
B-529-20060131-01	Date Received : 03-FEB-2006
Sample Matrix: SOIL	Date Reported : 10-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
TCLP Metals						
TCLP Extraction				1 1311	0206 16:30	
Arsenic, TCLP	ND	mg/l	1.0	1 6010B	0208 17:00 0209 09:33	RW
Barium, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:33	RW
Cadmium, TCLP	ND	mg/l	0.10	1 6010B	0208 17:00 0209 09:33	RW
Chromium, TCLP	ND	mg/l	0.20	1 6010B	0208 17:00 0209 09:33	RW
Lead, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:33	RW
Mercury, TCLP	ND	mg/l	0.0010	1 7470A	0207 16:30 0208 10:22	DM
Selenium, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:33	RW
Silver, TCLP	ND	mg/l	0.10	1 6010B	0208 17:00 0209 09:33	RW
TCLP Semi-Volatile Organics						
TCLP Extraction				1 1311	0206 16:30	
Hexachlorobenzene	ND	ug/l	25.			
2,4-Dinitrotoluene	ND	ug/l	30.			
Hexachlorobutadiene	ND	ug/l	50.			
Hexachloroethane	ND	ug/l	25.			
Nitrobenzene	ND	ug/l	25.			
2,4,6-Trichlorophenol	ND	ug/l	25.			
Pentachlorophenol	ND	ug/l	100			
2-Methylphenol	ND	ug/l	30.			
3-Methylphenol/4-Methylphenol	ND	ug/l	30.			
2,4,5-Trichlorophenol	28.	ug/l	25.			
Pyridine	ND	ug/l	250			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	68.0	%	21-120			
Phenol-d6	86.0	%	10-120			
Nitrobenzene-d5	87.0	%	23-120			
2-Fluorobiphenyl	68.0	%	43-120			
2,4,6-Tribromophenol	78.0	%	10-120			
4-Terphenyl-d14	86.0	%	33-120			
TCLP Pesticides by GC						
TCLP Extraction				1 1311	0206 16:30	
Lindane	ND	ug/l	0.100			
Heptachlor	ND	ug/l	0.100			
Heptachlor epoxide	ND	ug/l	0.100			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-01
B-529-20060131-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
TCLP Pesticides by GC cont'd				1 8082/8081	0209 13:30 0210 12:02	JB
TCLP Extraction				1 1311	0206 16:30	
Endrin	ND	ug/l	0.200			
Methoxychlor	ND	ug/l	1.00			
Toxaphene	ND	ug/l	1.00			
Chlordane	ND	ug/l	1.00			
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	51.0	%	30-150			
Decachlorobiphenyl	85.0	%	30-150			
TCLP Herbicides by GC				1 8151A(M)	0209 11:15 0210 12:40	JB
TCLP Extraction				1 1311	0206 16:30	
2,4-D	ND	mg/l	0.03			
2,4,5-TP (Silvex)	ND	mg/l	0.003			
Surrogate(s)	Recovery		QC Criteria			
DCAA	70.0	%				
TCLP Volatile Organics				1 8260B	0208 15:04	PD
TCLP Extraction				1 1311	0207 13:45	
Chloroform	ND	ug/l	7.5			
Carbon tetrachloride	ND	ug/l	5.0			
Tetrachloroethene	82.	ug/l	5.0			
Chlorobenzene	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	5.0			
Benzene	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	10.			
1,1-Dichloroethene	ND	ug/l	5.0			
Trichloroethene	260	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	25.			
2-Butanone	ND	ug/l	50.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	90.0	%	70-130			
Toluene-d8	97.0	%	70-130			
4-Bromofluorobenzene	95.0	%	70-130			
Dibromofluoromethane	97.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601593-02	Date Collected: 01-FEB-2006 12:30
B-522-10-15-01	Date Received : 03-FEB-2006
Sample Matrix: SOIL	Date Reported : 10-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	76.	%	0.10	30 2540G	0206 20:45	HS
Total Metals by MCP 6000/7000 series				60 6010B		
Antimony, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:25	RW
Arsenic, Total	4.9	mg/kg	0.52	60 6010B	0208 17:00 0209 10:25	RW
Beryllium, Total	ND	mg/kg	0.26	60 6010B	0208 17:00 0209 10:25	RW
Cadmium, Total	ND	mg/kg	0.52	60 6010B	0208 17:00 0209 10:25	RW
Chromium, Total	17.	mg/kg	0.52	60 6010B	0208 17:00 0209 10:25	RW
Copper, Total	16.	mg/kg	0.52	60 6010B	0208 17:00 0209 10:25	RW
Lead, Total	5.5	mg/kg	2.6	60 6010B	0208 17:00 0209 10:25	RW
Mercury, Total	ND	mg/kg	0.10	64 7471A	0207 21:00 0208 15:59	DM
Nickel, Total	16.	mg/kg	1.3	60 6010B	0208 17:00 0209 10:25	RW
Selenium, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:25	RW
Silver, Total	ND	mg/kg	0.52	60 6010B	0208 17:00 0209 10:25	RW
Thallium, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:25	RW
Zinc, Total	32.	mg/kg	2.6	60 6010B	0208 17:00 0209 10:25	RW
Semivolatile Organics by MCP 8270C				64 8270C	0206 14:45 0208 21:14	RL
Acenaphthene	ND	ug/kg	440			
1,2,4-Trichlorobenzene	ND	ug/kg	440			
Hexachlorobenzene	ND	ug/kg	440			
Bis(2-chloroethyl)ether	ND	ug/kg	440			
2-Chloronaphthalene	ND	ug/kg	440			
1,2-Dichlorobenzene	ND	ug/kg	440			
1,3-Dichlorobenzene	ND	ug/kg	440			
1,4-Dichlorobenzene	ND	ug/kg	440			
3,3'-Dichlorobenzidine	ND	ug/kg	880			
2,4-Dinitrotoluene	ND	ug/kg	440			
2,6-Dinitrotoluene	ND	ug/kg	440			
Azobenzene	ND	ug/kg	440			
Fluoranthene	ND	ug/kg	440			
4-Bromophenyl phenyl ether	ND	ug/kg	440			
Bis(2-chloroisopropyl)ether	ND	ug/kg	440			
Bis(2-chloroethoxy)methane	ND	ug/kg	440			
Hexachlorobutadiene	ND	ug/kg	880			
Hexachloroethane	ND	ug/kg	440			
Isophorone	ND	ug/kg	440			
Naphthalene	ND	ug/kg	440			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-02
B-522-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Semivolatile Organics by MCP 8270C cont'd				64 8270C	0206 14:45 0208 21:14 RL	
Nitrobenzene	ND	ug/kg	440			
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	880			
Butyl benzyl phthalate	ND	ug/kg	440			
Di-n-butylphthalate	ND	ug/kg	440			
Di-n-octylphthalate	ND	ug/kg	440			
Diethyl phthalate	ND	ug/kg	440			
Dimethyl phthalate	ND	ug/kg	440			
Benzo(a)anthracene	ND	ug/kg	440			
Benzo(a)pyrene	ND	ug/kg	440			
Benzo(b)fluoranthene	ND	ug/kg	440			
Benzo(k)fluoranthene	ND	ug/kg	440			
Chrysene	ND	ug/kg	440			
Acenaphthylene	ND	ug/kg	440			
Anthracene	ND	ug/kg	440			
Benzo(ghi)perylene	ND	ug/kg	440			
Fluorene	ND	ug/kg	440			
Phenanthrene	ND	ug/kg	440			
Dibenzo(a,h)anthracene	ND	ug/kg	440			
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	440			
Pyrene	ND	ug/kg	440			
Aniline	ND	ug/kg	880			
4-Chloroaniline	ND	ug/kg	440			
Dibenzofuran	ND	ug/kg	440			
2-Methylnaphthalene	ND	ug/kg	440			
Acetophenone	ND	ug/kg	1800			
2,4,6-Trichlorophenol	ND	ug/kg	440			
2-Chlorophenol	ND	ug/kg	530			
2,4-Dichlorophenol	ND	ug/kg	880			
2,4-Dimethylphenol	ND	ug/kg	440			
2-Nitrophenol	ND	ug/kg	1800			
4-Nitrophenol	ND	ug/kg	880			
2,4-Dinitrophenol	ND	ug/kg	1800			
Pentachlorophenol	ND	ug/kg	1800			
Phenol	ND	ug/kg	610			
2-Methylphenol	ND	ug/kg	530			
3-Methylphenol/4-Methylphenol	ND	ug/kg	530			
2,4,5-Trichlorophenol	ND	ug/kg	440			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	60.0	%	30-130			
Phenol-d6	80.0	%	30-130			
Nitrobenzene-d5	73.0	%	30-130			
2-Fluorobiphenyl	55.0	%	30-130			
2,4,6-Tribromophenol	73.0	%	30-130			
4-Terphenyl-d14	84.0	%	30-130			
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10 0208 19:15 AK	
Aroclor 1221	ND	ug/kg	43.8			
Aroclor 1232	ND	ug/kg	43.8			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-02
B-522-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Polychlorinated Biphenyls by MCP 8082 cont'd				64 8082	0206 16:10 0208 19:15 AK	
Aroclor 1242/1016	ND	ug/kg	43.8			
Aroclor 1248	ND	ug/kg	43.8			
Aroclor 1254	ND	ug/kg	43.8			
Aroclor 1260	ND	ug/kg	43.8			
Aroclor 1262	ND	ug/kg	43.8			
Aroclor 1268	ND	ug/kg	43.8			
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	76.0	%	30-150			
Decachlorobiphenyl	84.0	%	30-150			
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10 0208 19:15 AK	
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	79.0	%	30-150			
Decachlorobiphenyl	102.	%	30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-02
B-522-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
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Extractable Petroleum Hydrocarbons				61 EPH-04-1	0206 20:35 0209 14:16 BN	
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Quality Control Information

Condition of sample received:	Satisfactory
Sample temperature upon receipt:	Received on Ice
Sample extraction method:	Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed?	YES
Were all performance/acceptance standards for the required procedures achieved?	YES
Were significant modifications made to the method as specified in Sect 11.3?	NO
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.	
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.	

C9-C18 Aliphatics	ND	mg/kg	8.77
C19-C36 Aliphatics	ND	mg/kg	8.77
C11-C22 Aromatics, Unadjusted	ND	mg/kg	8.77
C11-C22 Aromatics, Adjusted	ND	mg/kg	8.77

Surrogate(s)	Recovery		QC Criteria
Chloro-Octadecane	45.0	%	40-140
o-Terphenyl	65.0	%	40-140
2-Fluorobiphenyl	67.0	%	40-140
2-Bromonaphthalene	67.0	%	40-140

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601593-03	Date Collected: 01-FEB-2006 16:00
COMP-20060201-01	Date Received : 03-FEB-2006
Sample Matrix: SOIL	Date Reported : 10-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	77.	%	0.10	30 2540G	0206 20:45	HS
Total Metals by MCP 6000/7000 series				60 6010B		
Antimony, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:32	RW
Arsenic, Total	5.6	mg/kg	0.52	60 6010B	0208 17:00 0209 10:32	RW
Beryllium, Total	ND	mg/kg	0.26	60 6010B	0208 17:00 0209 10:32	RW
Cadmium, Total	ND	mg/kg	0.52	60 6010B	0208 17:00 0209 10:32	RW
Chromium, Total	15.	mg/kg	0.52	60 6010B	0208 17:00 0209 10:32	RW
Copper, Total	13.	mg/kg	0.52	60 6010B	0208 17:00 0209 10:32	RW
Lead, Total	5.4	mg/kg	2.6	60 6010B	0208 17:00 0209 10:32	RW
Mercury, Total	ND	mg/kg	0.10	64 7471A	0207 21:00 0208 16:00	DM
Nickel, Total	13.	mg/kg	1.3	60 6010B	0208 17:00 0209 10:32	RW
Selenium, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:32	RW
Silver, Total	ND	mg/kg	0.52	60 6010B	0208 17:00 0209 10:32	RW
Thallium, Total	ND	mg/kg	2.6	60 6010B	0208 17:00 0209 10:32	RW
Zinc, Total	30.	mg/kg	2.6	60 6010B	0208 17:00 0209 10:32	RW
Semivolatile Organics by MCP 8270C				64 8270C	0206 14:45 0208 21:39	RL
Acenaphthene	ND	ug/kg	430			
1,2,4-Trichlorobenzene	ND	ug/kg	430			
Hexachlorobenzene	ND	ug/kg	430			
Bis(2-chloroethyl)ether	ND	ug/kg	430			
2-Chloronaphthalene	ND	ug/kg	430			
1,2-Dichlorobenzene	ND	ug/kg	430			
1,3-Dichlorobenzene	ND	ug/kg	430			
1,4-Dichlorobenzene	ND	ug/kg	430			
3,3'-Dichlorobenzidine	ND	ug/kg	860			
2,4-Dinitrotoluene	ND	ug/kg	430			
2,6-Dinitrotoluene	ND	ug/kg	430			
Azobenzene	ND	ug/kg	430			
Fluoranthene	ND	ug/kg	430			
4-Bromophenyl phenyl ether	ND	ug/kg	430			
Bis(2-chloroisopropyl)ether	ND	ug/kg	430			
Bis(2-chloroethoxy)methane	ND	ug/kg	430			
Hexachlorobutadiene	ND	ug/kg	860			
Hexachloroethane	ND	ug/kg	430			
Isophorone	ND	ug/kg	430			
Naphthalene	ND	ug/kg	430			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-03
COMP-20060201-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Semivolatile Organics by MCP 8270C cont'd				64 8270C	0206 14:45 0208 21:39 RL	
Nitrobenzene	ND	ug/kg	430			
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	860			
Butyl benzyl phthalate	ND	ug/kg	430			
Di-n-butylphthalate	ND	ug/kg	430			
Di-n-octylphthalate	ND	ug/kg	430			
Diethyl phthalate	ND	ug/kg	430			
Dimethyl phthalate	ND	ug/kg	430			
Benzo(a)anthracene	ND	ug/kg	430			
Benzo(a)pyrene	ND	ug/kg	430			
Benzo(b)fluoranthene	ND	ug/kg	430			
Benzo(k)fluoranthene	ND	ug/kg	430			
Chrysene	ND	ug/kg	430			
Acenaphthylene	ND	ug/kg	430			
Anthracene	ND	ug/kg	430			
Benzo(ghi)perylene	ND	ug/kg	430			
Fluorene	ND	ug/kg	430			
Phenanthrene	ND	ug/kg	430			
Dibenzo(a,h)anthracene	ND	ug/kg	430			
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	430			
Pyrene	ND	ug/kg	430			
Aniline	ND	ug/kg	860			
4-Chloroaniline	ND	ug/kg	430			
Dibenzofuran	ND	ug/kg	430			
2-Methylnaphthalene	ND	ug/kg	430			
Acetophenone	ND	ug/kg	1700			
2,4,6-Trichlorophenol	ND	ug/kg	430			
2-Chlorophenol	ND	ug/kg	520			
2,4-Dichlorophenol	ND	ug/kg	860			
2,4-Dimethylphenol	ND	ug/kg	430			
2-Nitrophenol	ND	ug/kg	1700			
4-Nitrophenol	ND	ug/kg	860			
2,4-Dinitrophenol	ND	ug/kg	1700			
Pentachlorophenol	ND	ug/kg	1700			
Phenol	ND	ug/kg	610			
2-Methylphenol	ND	ug/kg	520			
3-Methylphenol/4-Methylphenol	ND	ug/kg	520			
2,4,5-Trichlorophenol	ND	ug/kg	430			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	55.0	%	30-130			
Phenol-d6	77.0	%	30-130			
Nitrobenzene-d5	68.0	%	30-130			
2-Fluorobiphenyl	55.0	%	30-130			
2,4,6-Tribromophenol	77.0	%	30-130			
4-Terphenyl-d14	93.0	%	30-130			
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10 0208 19:43 AK	
Aroclor 1221	ND	ug/kg	43.3			
Aroclor 1232	ND	ug/kg	43.3			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-03
 COMP-20060201-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Polychlorinated Biphenyls by MCP 8082 cont'd				64 8082	0206 16:10	0208 19:43	AK
Aroclor 1242/1016	ND	ug/kg	43.3				
Aroclor 1248	ND	ug/kg	43.3				
Aroclor 1254	ND	ug/kg	43.3				
Aroclor 1260	ND	ug/kg	43.3				
Aroclor 1262	ND	ug/kg	43.3				
Aroclor 1268	ND	ug/kg	43.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	47.0	%	30-150				
Decachlorobiphenyl	72.0	%	30-150				
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10	0208 19:43	AK
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	45.0	%	30-150				
Decachlorobiphenyl	85.0	%	30-150				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601593-03
 COMP-20060201-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
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Extractable Petroleum Hydrocarbons	61	EPH-04-1	0206	20:35	0209	10:32 BN
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Quality Control Information

Condition of sample received:	Satisfactory
Sample temperature upon receipt:	Received on Ice
Sample extraction method:	Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed?	YES
Were all performance/acceptance standards for the required procedures achieved?	YES
Were significant modifications made to the method as specified in Sect 11.3?	NO
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.	
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.	

C9-C18 Aliphatics	ND	mg/kg	8.66
C19-C36 Aliphatics	ND	mg/kg	8.66
C11-C22 Aromatics, Unadjusted	ND	mg/kg	8.66
C11-C22 Aromatics, Adjusted	ND	mg/kg	8.66

Surrogate(s)	Recovery	%	QC Criteria
Chloro-Octadecane	52.0	%	40-140
o-Terphenyl	72.0	%	40-140
2-Fluorobiphenyl	79.0	%	40-140
2-Bromonaphthalene	80.0	%	40-140

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0601593

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 02-03 (L0601426-01, WG228827-1)					
Solids, Total	92.	92.	%	0	
TCLP Metals for sample(s) 01 (L0601477-01, WG229047-1)					
Arsenic, TCLP	ND	ND	mg/l	NC	
Barium, TCLP	ND	ND	mg/l	NC	
Cadmium, TCLP	ND	ND	mg/l	NC	
Chromium, TCLP	ND	ND	mg/l	NC	
Lead, TCLP	ND	ND	mg/l	NC	
Selenium, TCLP	ND	ND	mg/l	NC	
Silver, TCLP	ND	ND	mg/l	NC	
TCLP Metals for sample(s) 01 (L0601477-01, WG228931-3)					
Mercury, TCLP	ND	ND	mg/l	NC	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0601593

Parameter	% Recovery	QC Criteria
TCLP Metals LCS for sample(s) 01 (WG229047-4)		
Arsenic, TCLP	96	
Barium, TCLP	87	
Cadmium, TCLP	95	
Chromium, TCLP	92	
Lead, TCLP	95	
Selenium, TCLP	95	
Silver, TCLP	91	
TCLP Metals LCS for sample(s) 01 (WG228931-1)		
Mercury, TCLP	100	
TCLP Semi-Volatile Organics LCS for sample(s) 01 (WG229162-2)		
Hexachlorobenzene	80	
2,4-Dinitrotoluene	103	24-96
Hexachlorobutadiene	63	
Hexachloroethane	56	
Nitrobenzene	82	
2,4,6-Trichlorophenol	84	
Pentachlorophenol	90	9-103
2-Methylphenol	68	
3-Methylphenol/4-Methylphenol	67	
2,4,5-Trichlorophenol	82	
Pyridine	20	
Surrogate(s)		
2-Fluorophenol	62	21-120
Phenol-d6	79	10-120
Nitrobenzene-d5	77	23-120
2-Fluorobiphenyl	71	43-120
2,4,6-Tribromophenol	86	10-120
4-Terphenyl-d14	91	33-120
TCLP Pesticides by GC LCS for sample(s) 01 (WG229161-2)		
Lindane	52	30-150
Heptachlor	44	30-150
Heptachlor epoxide	53	30-150
Endrin	64	30-150
Methoxychlor	71	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	44	30-150
Decachlorobiphenyl	69	30-150
TCLP Herbicides by GC LCS for sample(s) 01 (WG229147-2)		
2,4-D	105	
2,4,5-TP (Silvex)	76	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0601593

Continued

Parameter	% Recovery	QC Criteria
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TCLP Herbicides by GC LCS for sample(s) 01 (WG229147-2)

Surrogate(s)

DCAA	72	
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TCLP Volatile Organics LCS for sample(s) 01 (WG229023-3)

Chlorobenzene	113	75-130
Benzene	105	76-127
Toluene	109	76-125
1,1-Dichloroethene	98	61-145
Trichloroethene	101	71-120

Surrogate(s)

1,2-Dichloroethane-d4	92	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	97	70-130

TCLP Metals SPIKE for sample(s) 01 (L0601477-01, WG229047-2)

Arsenic, TCLP	97	
Barium, TCLP	89	
Cadmium, TCLP	97	
Chromium, TCLP	94	
Lead, TCLP	96	
Selenium, TCLP	100	
Silver, TCLP	87	

TCLP Metals SPIKE for sample(s) 01 (L0601477-01, WG228931-2)

Mercury, TCLP	124	
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ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601593

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Total Metals by MCP 6000/7000 series for sample(s) 02-03 (WG229080-2, WG229080-3)					
Antimony, Total	91	86	6	30	75-125
Arsenic, Total	99	99	0	30	75-125
Beryllium, Total	91	91	0	30	75-125
Cadmium, Total	99	99	0	30	75-125
Chromium, Total	91	91	0	30	75-125
Copper, Total	87	86	1	30	75-125
Lead, Total	99	99	0	30	75-125
Nickel, Total	91	91	0	30	75-125
Selenium, Total	97	95	2	30	75-125
Silver, Total	93	84	10	30	75-125
Thallium, Total	105	103	2	30	75-125
Zinc, Total	91	91	0	30	75-125
Total Metals by MCP 6000/7000 series for sample(s) 02-03 (WG228959-2, WG228959-3)					
Mercury, Total	104	101	3	30	75-125
Semivolatile Organics by MCP 8270C for sample(s) 02-03 (WG228785-2, WG228785-3)					
Acenaphthene	60	70	15	30	40-140
1,2,4-Trichlorobenzene	47	65	32	30	40-140
Hexachlorobenzene	84	89	6	30	40-140
Bis(2-chloroethyl)ether	54	73	30	30	40-140
2-Chloronaphthalene	59	78	28	30	40-140
1,2-Dichlorobenzene	51	68	29	30	40-140
1,3-Dichlorobenzene	47	63	29	30	40-140
1,4-Dichlorobenzene	48	65	30	30	40-140
3,3'-Dichlorobenzidine	26	26	0	30	40-140
2,4-Dinitrotoluene	128	137	7	30	40-140
2,6-Dinitrotoluene	131	142	8	30	40-140
Azobenzene	82	86	5	30	40-140
Fluoranthene	98	100	2	30	40-140
4-Bromophenyl phenyl ether	85	90	6	30	40-140
Bis(2-chloroisopropyl)ether	52	73	34	30	40-140
Bis(2-chloroethoxy)methane	56	78	33	30	40-140
Hexachlorobutadiene	47	65	32	30	40-140
Hexachloroethane	48	67	33	30	40-140
Isophorone	62	84	30	30	40-140
Naphthalene	49	68	32	30	40-140
Nitrobenzene	56	75	29	30	40-140
Bis(2-Ethylhexyl)phthalate	109	109	0	30	40-140
Butyl benzyl phthalate	104	107	3	30	40-140
Di-n-butylphthalate	106	109	3	30	40-140
Di-n-octylphthalate	111	114	3	30	40-140
Diethyl phthalate	94	99	5	30	40-140
Dimethyl phthalate	85	89	5	30	40-140
Benzo(a)anthracene	99	100	1	30	40-140
Benzo(a)pyrene	90	91	1	30	40-140
Benzo(b)fluoranthene	102	103	1	30	40-140
Benzo(k)fluoranthene	98	98	0	30	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601593

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by MCP 8270C for sample(s) 02-03 (WG228785-2, WG228785-3)					
Chrysene	88	89	1	30	40-140
Acenaphthylene	68	78	14	30	40-140
Anthracene	81	84	4	30	40-140
Benzo(ghi)perylene	85	87	2	30	40-140
Fluorene	78	83	6	30	40-140
Phenanthrene	79	83	5	30	40-140
Dibenzo(a,h)anthracene	89	90	1	30	40-140
Indeno(1,2,3-cd)Pyrene	91	92	1	30	40-140
Pyrene	92	94	2	30	40-140
Aniline	15	19	24	30	40-140
4-Chloroaniline	22	28	24	30	40-140
Dibenzofuran	70	79	12	30	40-140
2-Methylnaphthalene	53	72	30	30	40-140
Acetophenone	56	76	30	30	40-140
2,4,6-Trichlorophenol	84	93	10	30	30-130
2-Chlorophenol	54	75	33	30	30-130
2,4-Dichlorophenol	59	81	31	30	30-130
2,4-Dimethylphenol	49	44	11	30	30-130
2-Nitrophenol	62	88	35	30	30-130
4-Nitrophenol	90	103	13	30	30-130
2,4-Dinitrophenol	86	100	15	30	30-130
Pentachlorophenol	89	91	2	30	30-130
Phenol	57	78	31	30	30-130
2-Methylphenol	56	76	30	30	30-130
3-Methylphenol/4-Methylphenol	56	78	33	30	30-130
2,4,5-Trichlorophenol	94	99	5	30	30-130
Surrogate(s)					
2-Fluorophenol	55	71	25		30-130
Phenol-d6	70	92	27		30-130
Nitrobenzene-d5	67	89	28		30-130
2-Fluorobiphenyl	56	70	22		30-130
2,4,6-Tribromophenol	84	84	0		30-130
4-Terphenyl-d14	97	93	4		30-130
Polychlorinated Biphenyls by MCP 8082 for sample(s) 02-03 (WG228801-2, WG228801-3)					
Aroclor 1242/1016	68	70	3	30	40-140
Aroclor 1260	86	85	1	30	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	62	64	3		30-150
2,4,5,6-Tetrachloro-m-xylene	50	57	13		30-150
Decachlorobiphenyl	86	85	1		30-150
Decachlorobiphenyl	103	101	2		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601593

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Extractable Petroleum Hydrocarbons for sample(s) 02-03 (WG228835-2, WG228835-3)					
C9-C18 Aliphatics	57	61	7	25	40-140
C19-C36 Aliphatics	68	71	4	25	40-140
C11-C22 Aromatics	85	79	7	25	40-140
Naphthalene	70	70	0	25	40-140
2-Methylnaphthalene	71	70	1	25	40-140
Acenaphthylene	72	70	3	25	40-140
Acenaphthene	74	74	0	25	40-140
Fluorene	75	77	3	25	40-140
Phenanthrene	80	80	0	25	40-140
Anthracene	82	83	1	25	40-140
Fluoranthene	80	79	1	25	40-140
Pyrene	82	80	2	25	40-140
Benzo(a)anthracene	82	78	5	25	40-140
Chrysene	83	78	6	25	40-140
Benzo(b)fluoranthene	82	76	8	25	40-140
Benzo(k)fluoranthene	80	76	5	25	40-140
Benzo(a)pyrene	79	74	7	25	40-140
Indeno(1,2,3-cd)Pyrene	78	73	7	25	40-140
Dibenzo(a,h)anthracene	77	73	5	25	40-140
Benzo(ghi)perylene	81	77	5	25	40-140
Nonane (C9)	44	48	9	25	30-140
Decane (C10)	53	57	7	25	40-140
Dodecane (C12)	59	62	5	25	40-140
Tetradecane (C14)	62	65	5	25	40-140
Hexadecane (C16)	63	67	6	25	40-140
Octadecane (C18)	63	68	8	25	40-140
Nonadecane (C19)	66	70	6	25	40-140
Eicosane (C20)	67	72	7	25	40-140
Docosane (C22)	70	74	6	25	40-140
Tetracosane (C24)	70	74	6	25	40-140
Hexacosane (C26)	69	72	4	25	40-140
Octacosane (C28)	68	70	3	25	40-140
triacontane (C30)	67	69	3	25	40-140
Hexatriacontane (C36)	69	70	1	25	40-140
Surrogate(s)					
Chloro-Octadecane	44	55	22		40-140
o-Terphenyl	84	84	0		40-140
2-Fluorobiphenyl	76	76	0		40-140
2-Bromonaphthalene	77	79	3		40-140
% Naphthalene Breakthrough	0	0	NC		
% 2-Methylnaphthalene Breakthrough	0	0	NC		

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0601593

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
TCLP Semi-Volatile Organics for sample(s) 01 (L0601593-01, WG229162-4)					
Hexachlorobenzene	80	80	0	30	
2,4-Dinitrotoluene	110	110	0	30	24-96
Hexachlorobutadiene	56	60	7	30	
Hexachloroethane	52	50	4	30	
Nitrobenzene	80	80	0	30	
2,4,6-Trichlorophenol	88	88	0	30	
Pentachlorophenol	88	90	2	30	9-103
2-Methylphenol	70	70	0	30	
3-Methylphenol/4-Methylphenol	70	68	3	30	
2,4,5-Trichlorophenol	78	82	5	30	
Pyridine	79	60	27	30	
Surrogate(s)					
2-Fluorophenol	59	60	2		21-120
Phenol-d6	79	78	1		10-120
Nitrobenzene-d5	76	77	1		23-120
2-Fluorobiphenyl	71	70	1		43-120
2,4,6-Tribromophenol	82	82	0		10-120
4-Terphenyl-d14	85	86	1		33-120
TCLP Pesticides by GC for sample(s) 01 (L0601593-01, WG229161-4)					
Lindane	44	78	56	30	30-150
Heptachlor	38	68	57	30	30-150
Heptachlor epoxide	43	78	58	30	30-150
Endrin	53	96	58	30	30-150
Methoxychlor	60	113	61	30	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	36	58	47		30-150
Decachlorobiphenyl	49	82	50		30-150
TCLP Herbicides by GC for sample(s) 01 (L0601593-01, WG229147-4)					
2,4-D	110	110	0		
2,4,5-TP (Silvex)	82	80	2		
Surrogate(s)					
DCAA	81	79	3		
TCLP Volatile Organics for sample(s) 01 (L0601477-01, WG229023-2)					
Chlorobenzene	101	97	4	20	75-130
Benzene	105	101	4	20	76-127
Toluene	103	99	4	20	76-125
1,1-Dichloroethene	103	99	4	20	61-145
Trichloroethene	100	96	4	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	91	94	3		70-130
Toluene-d8	98	100	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0601593

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
TCLP Volatile Organics for sample(s) 01 (L0601477-01, WG229023-2)					
4-Bromofluorobenzene	97	100	3		70-130
Dibromofluoromethane	97	100	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601593

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02-03 (WG229080-1)						
Total Metals by MCP 6000/7000 series				60 6010B		
Antimony, Total	ND	mg/kg	2.0	60 6010B	0208 17:00 0209 10:16	RW
Arsenic, Total	ND	mg/kg	0.40	60 6010B	0208 17:00 0209 10:16	RW
Beryllium, Total	ND	mg/kg	0.20	60 6010B	0208 17:00 0209 10:16	RW
Cadmium, Total	ND	mg/kg	0.40	60 6010B	0208 17:00 0209 10:16	RW
Chromium, Total	ND	mg/kg	0.40	60 6010B	0208 17:00 0209 10:16	RW
Copper, Total	ND	mg/kg	0.40	60 6010B	0208 17:00 0209 10:16	RW
Lead, Total	ND	mg/kg	2.0	60 6010B	0208 17:00 0209 10:16	RW
Nickel, Total	ND	mg/kg	1.0	60 6010B	0208 17:00 0209 10:16	RW
Selenium, Total	ND	mg/kg	2.0	60 6010B	0208 17:00 0209 10:16	RW
Silver, Total	ND	mg/kg	0.40	60 6010B	0208 17:00 0209 10:16	RW
Thallium, Total	ND	mg/kg	2.0	60 6010B	0208 17:00 0209 10:16	RW
Zinc, Total	ND	mg/kg	2.0	60 6010B	0208 17:00 0209 10:16	RW
Blank Analysis for sample(s) 02-03 (WG228959-1)						
Total Metals by MCP 6000/7000 series						
Mercury, Total	ND	mg/kg	0.08	64 7471A	0207 21:00 0208 15:24	DM
Blank Analysis for sample(s) 01 (WG229047-3)						
TCLP Metals						
TCLP Extraction				1 1311	0206 16:30	
Arsenic, TCLP	ND	mg/l	1.0	1 6010B	0208 17:00 0209 09:04	RW
Barium, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:04	RW
Cadmium, TCLP	ND	mg/l	0.10	1 6010B	0208 17:00 0209 09:04	RW
Chromium, TCLP	ND	mg/l	0.20	1 6010B	0208 17:00 0209 09:04	RW
Lead, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:04	RW
Selenium, TCLP	ND	mg/l	0.50	1 6010B	0208 17:00 0209 09:04	RW
Silver, TCLP	ND	mg/l	0.10	1 6010B	0208 17:00 0209 09:04	RW
Blank Analysis for sample(s) 01 (WG228931-4)						
TCLP Metals						
TCLP Extraction				1 1311	0206 16:30	
Mercury, TCLP	ND	mg/l	0.0010	1 7470A	0207 16:30 0208 10:07	DM
Blank Analysis for sample(s) 01 (WG229162-1)						
TCLP Semi-Volatile Organics				1 8270C	0209 13:15 0210 04:45	RL
TCLP Extraction				1 1311	0208 13:15	
Hexachlorobenzene	ND	ug/l	25.			
2,4-Dinitrotoluene	ND	ug/l	30.			
Hexachlorobutadiene	ND	ug/l	50.			
Hexachloroethane	ND	ug/l	25.			
Nitrobenzene	ND	ug/l	25.			
2,4,6-Trichlorophenol	ND	ug/l	25.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601593

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG229162-1)						
TCLP Semi-Volatile Organics cont'd				1 8270C	0209 13:15 0210 04:45	RL
TCLP Extraction				1 1311	0208 13:15	
Pentachlorophenol	ND	ug/l	100			
2-Methylphenol	ND	ug/l	30.			
3-Methylphenol/4-Methylphenol	ND	ug/l	30.			
2,4,5-Trichlorophenol	ND	ug/l	25.			
Pyridine	ND	ug/l	250			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	70.0	%	21-120			
Phenol-d6	89.0	%	10-120			
Nitrobenzene-d5	89.0	%	23-120			
2-Fluorobiphenyl	68.0	%	43-120			
2,4,6-Tribromophenol	83.0	%	10-120			
4-Terphenyl-d14	87.0	%	33-120			
Blank Analysis for sample(s) 01 (WG229161-1)						
TCLP Pesticides by GC				1 8082/8081	0209 13:30 0210 10:07	JB
TCLP Extraction				1 1311	0208 09:35	
Lindane	ND	ug/l	0.100			
Heptachlor	ND	ug/l	0.100			
Heptachlor epoxide	ND	ug/l	0.100			
Endrin	ND	ug/l	0.200			
Methoxychlor	ND	ug/l	1.00			
Toxaphene	ND	ug/l	1.00			
Chlordane	ND	ug/l	1.00			
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150			
Decachlorobiphenyl	102.	%	30-150			
Blank Analysis for sample(s) 01 (WG229147-1)						
TCLP Herbicides by GC				1 8151A(M)	0209 11:15 0210 09:24	JB
TCLP Extraction				1 1311	0208 09:35	
2,4-D	ND	mg/l	0.03			
2,4,5-TP (Silvex)	ND	mg/l	0.003			
Surrogate(s)	Recovery		QC Criteria			
DCAA	70.0	%				
Blank Analysis for sample(s) 01 (WG229023-4)						
TCLP Volatile Organics				1 8260B	0208 12:23	PD
TCLP Extraction				1 1311	0207 13:45	
Chloroform	ND	ug/l	7.5			
Carbon tetrachloride	ND	ug/l	5.0			
Tetrachloroethene	ND	ug/l	5.0			
Chlorobenzene	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601593

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG229023-4)						
TCLP Volatile Organics cont'd				1 8260B	0208 12:23 PD	
TCLP Extraction				1 1311	0207 13:45	
1,2-Dichloroethane	ND	ug/l	5.0			
Benzene	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	10.			
1,1-Dichloroethene	ND	ug/l	5.0			
Trichloroethene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	25.			
2-Butanone	ND	ug/l	50.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	94.0	%	70-130			
Toluene-d8	101.	%	70-130			
4-Bromofluorobenzene	99.0	%	70-130			
Dibromofluoromethane	101.	%	70-130			
Blank Analysis for sample(s) 02-03 (WG228785-1)						
Semivolatile Organics by MCP 8270C				64 8270C	0206 14:45 0208 20:00 RL	
Acenaphthene	ND	ug/kg	330			
1,2,4-Trichlorobenzene	ND	ug/kg	330			
Hexachlorobenzene	ND	ug/kg	330			
Bis(2-chloroethyl)ether	ND	ug/kg	330			
2-Chloronaphthalene	ND	ug/kg	330			
1,2-Dichlorobenzene	ND	ug/kg	330			
1,3-Dichlorobenzene	ND	ug/kg	330			
1,4-Dichlorobenzene	ND	ug/kg	330			
3,3'-Dichlorobenzidine	ND	ug/kg	670			
2,4-Dinitrotoluene	ND	ug/kg	330			
2,6-Dinitrotoluene	ND	ug/kg	330			
Azobenzene	ND	ug/kg	330			
Fluoranthene	ND	ug/kg	330			
4-Bromophenyl phenyl ether	ND	ug/kg	330			
Bis(2-chloroisopropyl)ether	ND	ug/kg	330			
Bis(2-chloroethoxy)methane	ND	ug/kg	330			
Hexachlorobutadiene	ND	ug/kg	670			
Hexachloroethane	ND	ug/kg	330			
Isophorone	ND	ug/kg	330			
Naphthalene	ND	ug/kg	330			
Nitrobenzene	ND	ug/kg	330			
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	670			
Butyl benzyl phthalate	ND	ug/kg	330			
Di-n-butylphthalate	ND	ug/kg	330			
Di-n-octylphthalate	ND	ug/kg	330			
Diethyl phthalate	ND	ug/kg	330			
Dimethyl phthalate	ND	ug/kg	330			
Benzo(a)anthracene	ND	ug/kg	330			
Benzo(a)pyrene	ND	ug/kg	330			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601593

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02-03 (WG228785-1)						
Semivolatile Organics by MCP 8270C cont'd				64 8270C	0206 14:45 0208 20:00 RL	
Benzo(b)fluoranthene	ND	ug/kg	330			
Benzo(k)fluoranthene	ND	ug/kg	330			
Chrysene	ND	ug/kg	330			
Acenaphthylene	ND	ug/kg	330			
Anthracene	ND	ug/kg	330			
Benzo(ghi)perylene	ND	ug/kg	330			
Fluorene	ND	ug/kg	330			
Phenanthrene	ND	ug/kg	330			
Dibenzo(a,h)anthracene	ND	ug/kg	330			
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	330			
Pyrene	ND	ug/kg	330			
Aniline	ND	ug/kg	670			
4-Chloroaniline	ND	ug/kg	330			
Dibenzofuran	ND	ug/kg	330			
2-Methylnaphthalene	ND	ug/kg	330			
Acetophenone	ND	ug/kg	1300			
2,4,6-Trichlorophenol	ND	ug/kg	330			
2-Chlorophenol	ND	ug/kg	400			
2,4-Dichlorophenol	ND	ug/kg	670			
2,4-Dimethylphenol	ND	ug/kg	330			
2-Nitrophenol	ND	ug/kg	1300			
4-Nitrophenol	ND	ug/kg	670			
2,4-Dinitrophenol	ND	ug/kg	1300			
Pentachlorophenol	ND	ug/kg	1300			
Phenol	ND	ug/kg	470			
2-Methylphenol	ND	ug/kg	400			
3-Methylphenol/4-Methylphenol	ND	ug/kg	400			
2,4,5-Trichlorophenol	ND	ug/kg	330			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	68.0	%	30-130			
Phenol-d6	88.0	%	30-130			
Nitrobenzene-d5	80.0	%	30-130			
2-Fluorobiphenyl	65.0	%	30-130			
2,4,6-Tribromophenol	75.0	%	30-130			
4-Terphenyl-d14	95.0	%	30-130			
Blank Analysis for sample(s) 02-03 (WG228801-1)						
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10 0208 17:49 AK	
Aroclor 1221	ND	ug/kg	33.3			
Aroclor 1232	ND	ug/kg	33.3			
Aroclor 1242/1016	ND	ug/kg	33.3			
Aroclor 1248	ND	ug/kg	33.3			
Aroclor 1254	ND	ug/kg	33.3			
Aroclor 1260	ND	ug/kg	33.3			
Aroclor 1262	ND	ug/kg	33.3			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601593

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02-03 (WG228801-1)						
Polychlorinated Biphenyls by MCP 8082 cont'd				64 8082	0206 16:10 0208 17:49 AK	
Aroclor 1268	ND	ug/kg	33.3			
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	66.0	%	30-150			
Decachlorobiphenyl	82.0	%	30-150			
Blank Analysis for sample(s) 02-03 (WG228801-1)						
Polychlorinated Biphenyls by MCP 8082				64 8082	0206 16:10 0208 17:49 AK	
Surrogate(s)	Recovery		QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	55.0	%	30-150			
Decachlorobiphenyl	97.0	%	30-150			
Blank Analysis for sample(s) 02-03 (WG228835-1)						
Extractable Petroleum Hydrocarbons				61 EPH-04-1	0206 20:35 0208 13:19 BN	
C9-C18 Aliphatics	ND	mg/kg	6.67			
C19-C36 Aliphatics	ND	mg/kg	6.67			
C11-C22 Aromatics, Unadjusted	ND	mg/kg	6.67			
C11-C22 Aromatics, Adjusted	ND	mg/kg	6.67			
Surrogate(s)	Recovery		QC Criteria			
Chloro-Octadecane	54.0	%	40-140			
o-Terphenyl	76.0	%	40-140			
2-Fluorobiphenyl	78.0	%	40-140			
2-Bromonaphthalene	80.0	%	40-140			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
61. Method for the Determination of Extractable Petroleum Hydrocarbons (EPH). Massachusetts Department of Environmental Protection, DEA/ORS/BWSC. May 2004, Revision 1.1.
64. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0601593

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0601593-01A	Vial Large unpreserved	A	N/A	2.2 C	Y	Absent	TCLP-EXT-ZHE, TCLP-VOA
L0601593-01B	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	AG-CI, AS-CI, BA-CI, CD-CI, CR-CI, HG-C, PB-CI, PREPC, SE-CI
L0601593-01C	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	HERB-TCLP*, PEST-TCLP*, TCLP-ABN
L0601593-02A	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	MCP-7471T, MCP-AG-6010T, MCP-AS-6010T, MCP-BE-6010T, MCP-CD-6010T, MCP-CR-6010T, MCP-CU-6010T, MCP-NI-6010T, MCP-PB-6010T, MCP-SB-6010T, MCP-SE-6010T, MCP-TL-6010T, MCP-ZN-6010T, PREPT, TS
L0601593-02B	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	EPH-04, MCP-8082-04, MCP-8270-04
L0601593-03A	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	MCP-7471T, MCP-AG-6010T, MCP-AS-6010T, MCP-BE-6010T, MCP-CD-6010T, MCP-CR-6010T, MCP-CU-6010T, MCP-NI-6010T, MCP-PB-6010T, MCP-SB-6010T, MCP-SE-6010T, MCP-TL-6010T, MCP-ZN-6010T, PREPT, TS
L0601593-03B	Amber 250ml unpreserved	A	N/A	2.2 C	Y	Absent	EPH-04, MCP-8082-04, MCP-8270-04

Container Comments

Container ID	Comments
--------------	----------



Project Name: Raathen-Warden

Date Rec'd in Lab

2/13

ALPHA Job #: 60601593

Project Information

Project Location: Maryland Int

Report Information - Data Deliverables

Billing Information

PO #:

Project #: 0043036

State /Fed Program

Criteria

Project Manager: Jeremy Picard

4

STANDARD INFORMATION

Turn-Around Time

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Standard

☐ Yes ☐ No Have you met minimum field QC requirements?

Date Due:

2

Time:

is

4

SAMPLE HANDLING

Other Project Specific Requirements/Comments/Detection Limits:

NAI
r
tyl
A

☐ Done

☐ Not needed

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection	Time
------------	------

Matri

Initials

7
70

52

Sample Specific Comments

ANALYSIS

CP VaA
CP SVOCs Pest, Hb
Metals
13 metals
PCB, EPH

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

OTFL # BOTTL

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:

Date/Time

~~Received By~~

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are

FORM NO: 01-01 (rev. 14-May-04)

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0601935
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 10-FEB-2006
Attn: Jeremy Picard	Date Reported: 16-FEB-2006
Project Number: 0043036	Delivery Method: Alpha
Site: RAYTHEON-WAYLAND	

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? YES
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0601935

Date Reported: 16-FEB-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0601935-01	B-534B-15-20-2.2-01	WAYLAND, MA
L0601935-02	B-529-5-10-4.6-01	WAYLAND, MA
L0601935-03	B-522-10-15-1.75-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0601935

Volatile Organics

The following samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0601935-02 (4X)

L0601935-03 (2.5X)

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601935-01	Date Collected: 01-FEB-2006 14:00
B-534B-15-20-2.2-01	Date Received : 10-FEB-2006
Sample Matrix: SOIL	Date Reported : 16-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	74	%	0.10	30 2540G			0213 19:50 PJ
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0214 13:06 PD
Methylene chloride	ND	ug/kg	8.1				
1,1-Dichloroethane	ND	ug/kg	1.2				
Chloroform	ND	ug/kg	1.2				
Carbon tetrachloride	ND	ug/kg	0.81				
1,2-Dichloropropane	ND	ug/kg	2.8				
Dibromochloromethane	ND	ug/kg	0.81				
1,1,2-Trichloroethane	ND	ug/kg	1.2				
Tetrachloroethene	ND	ug/kg	0.81				
Chlorobenzene	ND	ug/kg	0.81				
Trichlorofluoromethane	ND	ug/kg	4.1				
1,2-Dichloroethane	ND	ug/kg	0.81				
1,1,1-Trichloroethane	ND	ug/kg	0.81				
Bromodichloromethane	ND	ug/kg	0.81				
trans-1,3-Dichloropropene	ND	ug/kg	0.81				
cis-1,3-Dichloropropene	ND	ug/kg	0.81				
1,1-Dichloropropene	ND	ug/kg	4.1				
Bromoform	ND	ug/kg	3.2				
1,1,2,2-Tetrachloroethane	ND	ug/kg	0.81				
Benzene	ND	ug/kg	0.81				
Toluene	ND	ug/kg	1.2				
Ethylbenzene	ND	ug/kg	0.81				
Chloromethane	ND	ug/kg	4.1				
Bromomethane	ND	ug/kg	1.6				
Vinyl chloride	ND	ug/kg	1.6				
Chloroethane	ND	ug/kg	1.6				
1,1-Dichloroethene	ND	ug/kg	0.81				
trans-1,2-Dichloroethene	ND	ug/kg	1.2				
Trichloroethene	3.6	ug/kg	0.81				
1,2-Dichlorobenzene	ND	ug/kg	4.1				
1,3-Dichlorobenzene	ND	ug/kg	4.1				
1,4-Dichlorobenzene	ND	ug/kg	4.1				
Methyl tert butyl ether	ND	ug/kg	1.6				
p/m-Xylene	ND	ug/kg	1.6				
o-Xylene	ND	ug/kg	1.6				
cis-1,2-Dichloroethene	ND	ug/kg	0.81				
Dibromomethane	ND	ug/kg	8.1				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601935-01
B-534B-15-20-2.2-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0214 13:06 PD		
1,2,3-Trichloropropane	ND	ug/kg	8.1				
Styrene	ND	ug/kg	1.6				
Dichlorodifluoromethane	ND	ug/kg	8.1				
Acetone	10	ug/kg	8.1				
Carbon disulfide	ND	ug/kg	8.1				
2-Butanone	ND	ug/kg	8.1				
4-Methyl-2-pentanone	ND	ug/kg	8.1				
2-Hexanone	ND	ug/kg	8.1				
Bromochloromethane	ND	ug/kg	4.1				
Tetrahydrofuran	ND	ug/kg	16.				
2,2-Dichloropropane	ND	ug/kg	4.1				
1,2-Dibromoethane	ND	ug/kg	3.2				
1,3-Dichloropropane	ND	ug/kg	4.1				
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.81				
Bromobenzene	ND	ug/kg	4.1				
n-Butylbenzene	ND	ug/kg	0.81				
sec-Butylbenzene	ND	ug/kg	0.81				
tert-Butylbenzene	ND	ug/kg	4.1				
o-Chlorotoluene	ND	ug/kg	4.1				
p-Chlorotoluene	ND	ug/kg	4.1				
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.1				
Hexachlorobutadiene	ND	ug/kg	4.1				
Isopropylbenzene	ND	ug/kg	0.81				
p-Isopropyltoluene	ND	ug/kg	0.81				
Naphthalene	ND	ug/kg	4.1				
n-Propylbenzene	ND	ug/kg	0.81				
1,2,3-Trichlorobenzene	ND	ug/kg	4.1				
1,2,4-Trichlorobenzene	ND	ug/kg	4.1				
1,3,5-Trimethylbenzene	ND	ug/kg	4.1				
1,2,4-Trimethylbenzene	ND	ug/kg	4.1				
Ethyl ether	ND	ug/kg	4.1				
Isopropyl Ether	ND	ug/kg	3.2				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	3.2				
Tertiary-Amyl Methyl Ether	ND	ug/kg	3.2				
1,4-Dioxane	ND	ug/kg	410				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	113	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	99.0	%	70-130				
Dibromofluoromethane	112	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601935-02	Date Collected: 31-JAN-2006 13:20
B-529-5-10-4.6-01	Date Received : 10-FEB-2006
Sample Matrix: SOIL	Date Reported : 16-FEB-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0213 19:50 PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B			0214 14:16 PD
Methylene chloride	ND	ug/kg	6000				
1,1-Dichloroethane	ND	ug/kg	900				
Chloroform	ND	ug/kg	900				
Carbon tetrachloride	ND	ug/kg	600				
1,2-Dichloropropane	ND	ug/kg	2100				
Dibromochloromethane	ND	ug/kg	600				
1,1,2-Trichloroethane	ND	ug/kg	900				
Tetrachloroethene	17000	ug/kg	600				
Chlorobenzene	ND	ug/kg	600				
Trichlorofluoromethane	ND	ug/kg	3000				
1,2-Dichloroethane	ND	ug/kg	600				
1,1,1-Trichloroethane	ND	ug/kg	600				
Bromodichloromethane	ND	ug/kg	600				
trans-1,3-Dichloropropene	ND	ug/kg	600				
cis-1,3-Dichloropropene	ND	ug/kg	600				
1,1-Dichloropropene	ND	ug/kg	3000				
Bromoform	ND	ug/kg	2400				
1,1,2,2-Tetrachloroethane	ND	ug/kg	600				
Benzene	ND	ug/kg	600				
Toluene	5400	ug/kg	900				
Ethylbenzene	ND	ug/kg	600				
Chloromethane	ND	ug/kg	3000				
Bromomethane	ND	ug/kg	1200				
Vinyl chloride	ND	ug/kg	1200				
Chloroethane	ND	ug/kg	1200				
1,1-Dichloroethene	ND	ug/kg	600				
trans-1,2-Dichloroethene	ND	ug/kg	900				
Trichloroethene	57000	ug/kg	600				
1,2-Dichlorobenzene	ND	ug/kg	3000				
1,3-Dichlorobenzene	ND	ug/kg	3000				
1,4-Dichlorobenzene	ND	ug/kg	3000				
Methyl tert butyl ether	ND	ug/kg	1200				
p/m-Xylene	ND	ug/kg	1200				
o-Xylene	ND	ug/kg	1200				
cis-1,2-Dichloroethene	2500	ug/kg	600				
Dibromomethane	ND	ug/kg	6000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601935-02
B-529-5-10-4.6-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B		0214 14:16 PD	
1,2,3-Trichloropropane	ND	ug/kg	6000				
Styrene	ND	ug/kg	1200				
Dichlorodifluoromethane	ND	ug/kg	6000				
Acetone	ND	ug/kg	6000				
Carbon disulfide	ND	ug/kg	6000				
2-Butanone	ND	ug/kg	6000				
4-Methyl-2-pentanone	ND	ug/kg	6000				
2-Hexanone	ND	ug/kg	6000				
Bromochloromethane	ND	ug/kg	3000				
Tetrahydrofuran	ND	ug/kg	12000				
2,2-Dichloropropane	ND	ug/kg	3000				
1,2-Dibromoethane	ND	ug/kg	2400				
1,3-Dichloropropane	ND	ug/kg	3000				
1,1,1,2-Tetrachloroethane	ND	ug/kg	600				
Bromobenzene	ND	ug/kg	3000				
n-Butylbenzene	ND	ug/kg	600				
sec-Butylbenzene	ND	ug/kg	600				
tert-Butylbenzene	ND	ug/kg	3000				
o-Chlorotoluene	ND	ug/kg	3000				
p-Chlorotoluene	ND	ug/kg	3000				
1,2-Dibromo-3-chloropropane	ND	ug/kg	3000				
Hexachlorobutadiene	ND	ug/kg	3000				
Isopropylbenzene	ND	ug/kg	600				
p-Isopropyltoluene	ND	ug/kg	600				
Naphthalene	ND	ug/kg	3000				
n-Propylbenzene	ND	ug/kg	600				
1,2,3-Trichlorobenzene	ND	ug/kg	3000				
1,2,4-Trichlorobenzene	ND	ug/kg	3000				
1,3,5-Trimethylbenzene	ND	ug/kg	3000				
1,2,4-Trimethylbenzene	ND	ug/kg	3000				
Ethyl ether	ND	ug/kg	3000				
Isopropyl Ether	ND	ug/kg	2400				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	2400				
Tertiary-Amyl Methyl Ether	ND	ug/kg	2400				
1,4-Dioxane	ND	ug/kg	300000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	109	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	99.0	%	70-130				
Dibromofluoromethane	112	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0601935-03
Sample Matrix: B-522-10-15-1.75-01
Condition of Sample: SOIL
Number & Type of Containers: 1-Plastic,3-Vial

Date Collected: 01-FEB-2006 12:00
Date Received : 10-FEB-2006
Date Reported : 16-FEB-2006

Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	76	%	0.10	30 2540G	0213 19:50	PJ
Volatile Organics by MCP 8260B/5035-High				60 8260B	0214 16:02	PD
Methylene chloride	ND	ug/kg	3200			
1,1-Dichloroethane	ND	ug/kg	480			
Chloroform	ND	ug/kg	480			
Carbon tetrachloride	ND	ug/kg	320			
1,2-Dichloropropane	ND	ug/kg	1100			
Dibromochloromethane	ND	ug/kg	320			
1,1,2-Trichloroethane	ND	ug/kg	480			
Tetrachloroethene	1800	ug/kg	320			
Chlorobenzene	ND	ug/kg	320			
Trichlorofluoromethane	ND	ug/kg	1600			
1,2-Dichloroethane	ND	ug/kg	320			
1,1,1-Trichloroethane	ND	ug/kg	320			
Bromodichloromethane	ND	ug/kg	320			
trans-1,3-Dichloropropene	ND	ug/kg	320			
cis-1,3-Dichloropropene	ND	ug/kg	320			
1,1-Dichloropropene	ND	ug/kg	1600			
Bromoform	ND	ug/kg	1300			
1,1,2,2-Tetrachloroethane	ND	ug/kg	320			
Benzene	ND	ug/kg	320			
Toluene	ND	ug/kg	480			
Ethylbenzene	ND	ug/kg	320			
Chloromethane	ND	ug/kg	1600			
Bromomethane	ND	ug/kg	650			
Vinyl chloride	ND	ug/kg	650			
Chloroethane	ND	ug/kg	650			
1,1-Dichloroethene	ND	ug/kg	320			
trans-1,2-Dichloroethene	ND	ug/kg	480			
Trichloroethene	26000	ug/kg	320			
1,2-Dichlorobenzene	ND	ug/kg	1600			
1,3-Dichlorobenzene	ND	ug/kg	1600			
1,4-Dichlorobenzene	ND	ug/kg	1600			
Methyl tert butyl ether	ND	ug/kg	650			
p/m-Xylene	ND	ug/kg	650			
o-Xylene	ND	ug/kg	650			
cis-1,2-Dichloroethene	1700	ug/kg	320			
Dibromomethane	ND	ug/kg	3200			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0601935-03
B-522-10-15-1.75-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0214 16:02 PD	
1,2,3-Trichloropropane	ND	ug/kg	3200			
Styrene	ND	ug/kg	650			
Dichlorodifluoromethane	ND	ug/kg	3200			
Acetone	ND	ug/kg	3200			
Carbon disulfide	ND	ug/kg	3200			
2-Butanone	ND	ug/kg	3200			
4-Methyl-2-pentanone	ND	ug/kg	3200			
2-Hexanone	ND	ug/kg	3200			
Bromochloromethane	ND	ug/kg	1600			
Tetrahydrofuran	ND	ug/kg	6500			
2,2-Dichloropropane	ND	ug/kg	1600			
1,2-Dibromoethane	ND	ug/kg	1300			
1,3-Dichloropropane	ND	ug/kg	1600			
1,1,1,2-Tetrachloroethane	ND	ug/kg	320			
Bromobenzene	ND	ug/kg	1600			
n-Butylbenzene	ND	ug/kg	320			
sec-Butylbenzene	ND	ug/kg	320			
tert-Butylbenzene	ND	ug/kg	1600			
o-Chlorotoluene	ND	ug/kg	1600			
p-Chlorotoluene	ND	ug/kg	1600			
1,2-Dibromo-3-chloropropane	ND	ug/kg	1600			
Hexachlorobutadiene	ND	ug/kg	1600			
Isopropylbenzene	ND	ug/kg	320			
p-Isopropyltoluene	ND	ug/kg	320			
Naphthalene	ND	ug/kg	1600			
n-Propylbenzene	ND	ug/kg	320			
1,2,3-Trichlorobenzene	ND	ug/kg	1600			
1,2,4-Trichlorobenzene	ND	ug/kg	1600			
1,3,5-Trimethylbenzene	ND	ug/kg	1600			
1,2,4-Trimethylbenzene	ND	ug/kg	1600			
Ethyl ether	ND	ug/kg	1600			
Isopropyl Ether	ND	ug/kg	1300			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	1300			
Tertiary-Amyl Methyl Ether	ND	ug/kg	1300			
1,4-Dioxane	ND	ug/kg	160000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	107	%	70-130			
Toluene-d8	102	%	70-130			
4-Bromofluorobenzene	100	%	70-130			
Dibromofluoromethane	109	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0601935

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-03 (L0601884-01, WG229499-1)					
Solids, Total	91	91	%	0	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601935

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 01 (WG229700-1, WG229700-2)					
Methylene chloride	86	86	0	25	70-130
1,1-Dichloroethane	105	101	4	25	70-130
Chloroform	105	101	4	25	70-130
Carbon tetrachloride	122	116	5	25	70-130
1,2-Dichloropropane	107	105	2	25	70-130
Dibromochloromethane	109	110	1	25	70-130
1,1,2-Trichloroethane	109	111	2	25	70-130
Tetrachloroethene	106	100	6	25	70-130
Chlorobenzene	107	105	2	25	70-130
Trichlorofluoromethane	111	106	5	25	70-130
1,2-Dichloroethane	108	106	2	25	70-130
1,1,1-Trichloroethane	110	106	4	25	70-130
Bromodichloromethane	115	112	3	25	70-130
trans-1,3-Dichloropropene	98	99	1	25	70-130
cis-1,3-Dichloropropene	102	100	2	25	70-130
1,1-Dichloropropene	103	98	5	25	70-130
Bromoform	115	118	3	50	70-130
1,1,2,2-Tetrachloroethane	98	98	0	25	70-130
Benzene	101	98	3	25	70-130
Toluene	102	102	0	25	70-130
Ethylbenzene	109	107	2	25	70-130
Chloromethane	87	79	10	50	70-130
Bromomethane	112	115	3	50	70-130
Vinyl chloride	102	90	13	25	70-130
Chloroethane	114	108	5	25	70-130
1,1-Dichloroethene	97	94	3	25	70-130
trans-1,2-Dichloroethene	99	96	3	25	70-130
Trichloroethene	106	101	5	25	70-130
1,2-Dichlorobenzene	103	101	2	25	70-130
1,3-Dichlorobenzene	103	101	2	25	70-130
1,4-Dichlorobenzene	107	107	0	25	70-130
Methyl tert butyl ether	91	92	1	25	70-130
p/m-Xylene	110	111	1	25	70-130
o-Xylene	108	109	1	25	70-130
cis-1,2-Dichloroethene	103	103	0	25	70-130
Dibromomethane	112	109	3	25	70-130
1,2,3-Trichloropropane	109	110	1	25	70-130
Styrene	115	114	1	25	70-130
Dichlorodifluoromethane	74	72	3	50	70-130
Acetone	91	93	2	50	70-130
Carbon disulfide	91	88	3	25	70-130
2-Butanone	90	88	2	50	70-130
4-Methyl-2-pentanone	94	98	4	50	70-130
2-Hexanone	88	92	4	50	70-130
Bromochloromethane	105	102	3	25	70-130
Tetrahydrofuran	75	76	1	25	70-130
2,2-Dichloropropane	106	103	3	50	70-130
1,2-Dibromoethane	105	106	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601935

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 01 (WG229700-1, WG229700-2)					
1,3-Dichloropropane	106	107	1	25	70-130
1,1,1,2-Tetrachloroethane	117	116	1	25	70-130
Bromobenzene	108	104	4	25	70-130
n-Butylbenzene	86	96	11	25	70-130
sec-Butylbenzene	98	99	1	25	70-130
tert-Butylbenzene	102	102	0	25	70-130
o-Chlorotoluene	108	107	1	25	70-130
p-Chlorotoluene	104	101	3	25	70-130
1,2-Dibromo-3-chloropropane	98	100	2	50	70-130
Hexachlorobutadiene	102	99	3	25	70-130
Isopropylbenzene	120	120	0	25	70-130
p-Isopropyltoluene	97	106	9	25	70-130
Naphthalene	83	102	21	25	70-130
n-Propylbenzene	105	104	1	25	70-130
1,2,3-Trichlorobenzene	92	97	5	25	70-130
1,2,4-Trichlorobenzene	90	95	5	25	70-130
1,3,5-Trimethylbenzene	95	111	16	25	70-130
1,2,4-Trimethylbenzene	90	113	23	25	70-130
Ethyl ether	100	99	1	25	70-130
Isopropyl Ether	88	86	2	25	70-130
Ethyl-Tert-Butyl-Ether	90	91	1	25	70-130
Tertiary-Amyl Methyl Ether	86	88	2	25	70-130
1,4-Dioxane	102	104	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	106	105	1		70-130
Toluene-d8	101	102	1		70-130
4-Bromofluorobenzene	98	95	3		70-130
Dibromofluoromethane	108	105	3		70-130
Volatile Organics by MCP 8260B/5035-High for sample(s) 02-03 (WG229699-1, WG229699-2)					
Methylene chloride	86	86	0	25	70-130
1,1-Dichloroethane	105	101	4	25	70-130
Chloroform	105	101	4	25	70-130
Carbon tetrachloride	122	116	5	25	70-130
1,2-Dichloropropane	107	105	2	25	70-130
Dibromochloromethane	109	110	1	25	70-130
1,1,2-Trichloroethane	109	111	2	25	70-130
Tetrachloroethene	106	100	6	25	70-130
Chlorobenzene	107	105	2	25	70-130
Trichlorofluoromethane	111	106	5	25	70-130
1,2-Dichloroethane	108	106	2	25	70-130
1,1,1-Trichloroethane	110	106	4	25	70-130
Bromodichloromethane	115	112	3	25	70-130
trans-1,3-Dichloropropene	98	99	1	25	70-130
cis-1,3-Dichloropropene	102	100	2	25	70-130
1,1-Dichloropropene	103	98	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601935

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 02-03 (WG229699-1, WG229699-2)					
Bromoform	115	118	3	50	70-130
1,1,2,2-Tetrachloroethane	98	98	0	25	70-130
Benzene	101	98	3	25	70-130
Toluene	102	102	0	25	70-130
Ethylbenzene	109	107	2	25	70-130
Chloromethane	87	79	10	50	70-130
Bromomethane	112	115	3	50	70-130
Vinyl chloride	102	90	13	25	70-130
Chloroethane	114	108	5	25	70-130
1,1-Dichloroethene	97	94	3	25	70-130
trans-1,2-Dichloroethene	99	96	3	25	70-130
Trichloroethene	106	101	5	25	70-130
1,2-Dichlorobenzene	103	101	2	25	70-130
1,3-Dichlorobenzene	103	101	2	25	70-130
1,4-Dichlorobenzene	107	107	0	25	70-130
Methyl tert butyl ether	91	92	1	25	70-130
p/m-Xylene	110	111	1	25	70-130
o-Xylene	108	109	1	25	70-130
cis-1,2-Dichloroethene	103	103	0	25	70-130
Dibromomethane	112	109	3	25	70-130
1,2,3-Trichloropropane	109	110	1	25	70-130
Styrene	115	114	1	25	70-130
Dichlorodifluoromethane	74	72	3	50	70-130
Acetone	91	93	2	50	70-130
Carbon disulfide	91	88	3	25	70-130
2-Butanone	90	88	2	50	70-130
4-Methyl-2-pentanone	94	98	4	50	70-130
2-Hexanone	88	92	4	50	70-130
Bromochloromethane	105	102	3	25	70-130
Tetrahydrofuran	75	76	1	25	70-130
2,2-Dichloropropane	106	103	3	50	70-130
1,2-Dibromoethane	105	106	1	25	70-130
1,3-Dichloropropane	106	107	1	25	70-130
1,1,1,2-Tetrachloroethane	117	116	1	25	70-130
Bromobenzene	108	104	4	25	70-130
n-Butylbenzene	86	96	11	25	70-130
sec-Butylbenzene	98	99	1	25	70-130
tert-Butylbenzene	102	102	0	25	70-130
o-Chlorotoluene	108	107	1	25	70-130
p-Chlorotoluene	104	101	3	25	70-130
1,2-Dibromo-3-chloropropane	98	100	2	50	70-130
Hexachlorobutadiene	102	99	3	25	70-130
Isopropylbenzene	120	120	0	25	70-130
p-Isopropyltoluene	97	106	9	25	70-130
Naphthalene	83	102	21	25	70-130
n-Propylbenzene	105	104	1	25	70-130
1,2,3-Trichlorobenzene	92	97	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0601935

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 02-03 (WG229699-1, WG229699-2)					
1,2,4-Trichlorobenzene	90	95	5	25	70-130
1,3,5-Trimethylbenzene	95	111	16	25	70-130
1,2,4-Trimethylbenzene	90	113	23	25	70-130
Ethyl ether	100	99	1	25	70-130
Isopropyl Ether	88	86	2	25	70-130
Ethyl-Tert-Butyl-Ether	90	91	1	25	70-130
Tertiary-Amyl Methyl Ether	86	88	2	25	70-130
1,4-Dioxane	102	104	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	106	105	1		70-130
Toluene-d8	101	102	1		70-130
4-Bromofluorobenzene	98	95	3		70-130
Dibromofluoromethane	108	105	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601935

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG229700-3)							
Volatile Organics by MCP 8260B/5035-Low			60 8260B		0214 10:43 PD		
Methylene chloride	ND	ug/kg	10.				
1,1-Dichloroethane	ND	ug/kg	1.5				
Chloroform	ND	ug/kg	1.5				
Carbon tetrachloride	ND	ug/kg	1.0				
1,2-Dichloropropane	ND	ug/kg	3.5				
Dibromochloromethane	ND	ug/kg	1.0				
1,1,2-Trichloroethane	ND	ug/kg	1.5				
Tetrachloroethene	ND	ug/kg	1.0				
Chlorobenzene	ND	ug/kg	1.0				
Trichlorofluoromethane	ND	ug/kg	5.0				
1,2-Dichloroethane	ND	ug/kg	1.0				
1,1,1-Trichloroethane	ND	ug/kg	1.0				
Bromodichloromethane	ND	ug/kg	1.0				
trans-1,3-Dichloropropene	ND	ug/kg	1.0				
cis-1,3-Dichloropropene	ND	ug/kg	1.0				
1,1-Dichloropropene	ND	ug/kg	5.0				
Bromoform	ND	ug/kg	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0				
Benzene	ND	ug/kg	1.0				
Toluene	ND	ug/kg	1.5				
Ethylbenzene	ND	ug/kg	1.0				
Chloromethane	ND	ug/kg	5.0				
Bromomethane	ND	ug/kg	2.0				
Vinyl chloride	ND	ug/kg	2.0				
Chloroethane	ND	ug/kg	2.0				
1,1-Dichloroethene	ND	ug/kg	1.0				
trans-1,2-Dichloroethene	ND	ug/kg	1.5				
Trichloroethene	ND	ug/kg	1.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	2.0				
p/m-Xylene	ND	ug/kg	2.0				
o-Xylene	ND	ug/kg	2.0				
cis-1,2-Dichloroethene	ND	ug/kg	1.0				
Dibromomethane	ND	ug/kg	10.				
1,2,3-Trichloropropane	ND	ug/kg	10.				
Styrene	ND	ug/kg	2.0				
Dichlorodifluoromethane	ND	ug/kg	10.				
Acetone	ND	ug/kg	10.				
Carbon disulfide	ND	ug/kg	10.				
2-Butanone	ND	ug/kg	10.				
4-Methyl-2-pentanone	ND	ug/kg	10.				
2-Hexanone	ND	ug/kg	10.				
Bromochloromethane	ND	ug/kg	5.0				
Tetrahydrofuran	ND	ug/kg	20.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601935

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG229700-3)						
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0214 10:43 PD	
2,2-Dichloropropane	ND	ug/kg	5.0			
1,2-Dibromoethane	ND	ug/kg	4.0			
1,3-Dichloropropane	ND	ug/kg	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0			
Bromobenzene	ND	ug/kg	5.0			
n-Butylbenzene	ND	ug/kg	1.0			
sec-Butylbenzene	ND	ug/kg	1.0			
tert-Butylbenzene	ND	ug/kg	5.0			
o-Chlorotoluene	ND	ug/kg	5.0			
p-Chlorotoluene	ND	ug/kg	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0			
Hexachlorobutadiene	ND	ug/kg	5.0			
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	117	%	70-130			
Toluene-d8	101	%	70-130			
4-Bromofluorobenzene	100	%	70-130			
Dibromofluoromethane	110	%	70-130			
Blank Analysis for sample(s) 02-03 (WG229699-3)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0214 10:43 PD	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601935

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02-03 (WG229699-3)							
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0214 10:43 PD		
Bromodichloromethane	ND	ug/kg	50.				
trans-1,3-Dichloropropene	ND	ug/kg	50.				
cis-1,3-Dichloropropene	ND	ug/kg	50.				
1,1-Dichloropropene	ND	ug/kg	250				
Bromoform	ND	ug/kg	200				
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.				
Benzene	ND	ug/kg	50.				
Toluene	ND	ug/kg	75.				
Ethylbenzene	ND	ug/kg	50.				
Chloromethane	ND	ug/kg	250				
Bromomethane	ND	ug/kg	100				
Vinyl chloride	ND	ug/kg	100				
Chloroethane	ND	ug/kg	100				
1,1-Dichloroethene	ND	ug/kg	50.				
trans-1,2-Dichloroethene	ND	ug/kg	75.				
Trichloroethene	ND	ug/kg	50.				
1,2-Dichlorobenzene	ND	ug/kg	250				
1,3-Dichlorobenzene	ND	ug/kg	250				
1,4-Dichlorobenzene	ND	ug/kg	250				
Methyl tert butyl ether	ND	ug/kg	100				
p/m-Xylene	ND	ug/kg	100				
o-Xylene	ND	ug/kg	100				
cis-1,2-Dichloroethene	ND	ug/kg	50.				
Dibromomethane	ND	ug/kg	500				
1,2,3-Trichloropropane	ND	ug/kg	500				
Styrene	ND	ug/kg	100				
Dichlorodifluoromethane	ND	ug/kg	500				
Acetone	ND	ug/kg	500				
Carbon disulfide	ND	ug/kg	500				
2-Butanone	ND	ug/kg	500				
4-Methyl-2-pentanone	ND	ug/kg	500				
2-Hexanone	ND	ug/kg	500				
Bromochloromethane	ND	ug/kg	250				
Tetrahydrofuran	ND	ug/kg	1000				
2,2-Dichloropropane	ND	ug/kg	250				
1,2-Dibromoethane	ND	ug/kg	200				
1,3-Dichloropropane	ND	ug/kg	250				
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.				
Bromobenzene	ND	ug/kg	250				
n-Butylbenzene	ND	ug/kg	50.				
sec-Butylbenzene	ND	ug/kg	50.				
tert-Butylbenzene	ND	ug/kg	250				
o-Chlorotoluene	ND	ug/kg	250				
p-Chlorotoluene	ND	ug/kg	250				
1,2-Dibromo-3-chloropropane	ND	ug/kg	250				
Hexachlorobutadiene	ND	ug/kg	250				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0601935

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02-03 (WG229699-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0214 10:43 PD	
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	117	%	70-130			
Toluene-d8	101	%	70-130			
4-Bromofluorobenzene	100	%	70-130			
Dibromofluoromethane	110	%	70-130			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0601935

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0601935-01A	Vial MeOH preserved	A	N/A	4.1C	Y	Absent	MCP-8260LG-04
L0601935-01B	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260LG-04
L0601935-01C	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260LG-04
L0601935-01D	Plastic 2oz unpreserved for TS	A	N/A	4.1C	Y	Absent	TS
L0601935-02A	Vial MeOH preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-02B	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-02C	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-02D	Plastic 2oz unpreserved for TS	A	N/A	4.1C	Y	Absent	TS
L0601935-03A	Vial MeOH preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-03B	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-03C	Vial NaHSO4 preserved	A	N/A	4.1C	Y	Absent	MCP-8260H-04
L0601935-03D	Plastic 2oz unpreserved for TS	A	N/A	4.1C	Y	Absent	TS

Container Comments

Container ID	Comments
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CHAIN OF CUSTODY

PAGE 1 OF 1

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: ERM

Address: 399 Baylston St

Boston, MA 02116

Phone: 617 646-7828

Fax: 617 646-2677

Email: jeremy.picaud@erm.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

* These samples are on their 9th holding day

Project Information

Project Name: Raytheon - Wayland

Project Location: Wayland, MA

Project #: 00Y3036

Project Manager: Jeremy Picaud

ALPHA Quote #

Turn-Around Time

☒ Standard

Date Due: 2/1/7

Time:

☐ RUSH (only confirmed if pre-approved)

Date Rec'd in Lab:

2/1/0

ALPHA Job #:

1060935

Report Information - Data Deliverables

☐ FAX

☒ EMAIL

☒ ADX

☐ Add'l Deliverables

Billing Information

☒ Same as Client Info

PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are Drinking Water Samples Submitted?

☐ Yes ☐ No Have you met minimum field QC requirements?

ANALYSIS
VOCs-High 8260
VOCs-Low 8260

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

3
2
1
2

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* This sample very high VOC

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type
Preservative

V
V
F
G

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0605331
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Date Received: 14-APR-2006
Attn: Jeremy Picard	Date Reported: 19-APR-2006
Project Number: 42925	Delivery Method: Alpha
Site: RAYTHEON WAYLAND	

The following questions pertain only to MCP Analytical Methods

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

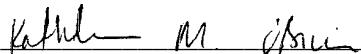
- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- B. Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? YES
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Representative

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0605331

Date Reported: 19-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0605331-01	B-531D-20-25-01	WAYLAND, MA
L0605331-02	B-531E-10-15-01	WAYLAND, MA
L0605331-03	B-531C-15-20-01	WAYLAND, MA
L0605331-04	B-531C-10-15-01	WAYLAND, MA
L0605331-05	B-531D-15-20-01	WAYLAND, MA
L0605331-06	B-531E-15-20-01	WAYLAND, MA
L0605331-07	B-525C-15-20-01	WAYLAND, MA
L0605331-08	B-525C-10-15-01	WAYLAND, MA
L0605331-09	TB-001-20060414-01	WAYLAND, MA
L0605331-10	B-525B-10-15-01	WAYLAND, MA
L0605331-11	B-525B-15-20-01	WAYLAND, MA
L0605331-12	B-525A-10-15-01	WAYLAND, MA
L0605331-13	B-525A-15-20-01	WAYLAND, MA
L0605331-14	B-530B-10-15-01	WAYLAND, MA
L0605331-15	B-530B-15-20-01	WAYLAND, MA
L0605331-16	B-530C-5-10-01	WAYLAND, MA
L0605331-17	B-530C-10-15-01	WAYLAND, MA
L0605331-18	B-531F-15-20-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0605331

MCP Related Narratives

Volatile Organics

In reference to question E:

The WG236583-1,2 LCS/LCSD % recoveries for Acetone are above the acceptance criteria for the method.

The WG236414-5 LCSD % recovery for Dichlorodifluoromethane is below the acceptance criteria for the method.

Both are difficult analytes.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-01
B-531D-20-25-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial
Date Collected: 14-APR-2006 08:35
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0605331-02	Date Collected:	14-APR-2006 08:50
	B-531E-10-15-01	Date Received :	14-APR-2006
Sample Matrix:	SOIL	Date Reported :	19-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	1-Plastic,3-Vial		

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	

***** THIS SAMPLE IS ON HOLD *****

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-03	Date Collected: 14-APR-2006 07:45
B-531C-15-20-01	Date Received : 14-APR-2006
Sample Matrix: SOIL	Date Reported : 19-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0417 10:58 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0418 12:42 PD
Methylene chloride	ND	ug/kg	950				
1,1-Dichloroethane	ND	ug/kg	140				
Chloroform	ND	ug/kg	140				
Carbon tetrachloride	ND	ug/kg	95.				
1,2-Dichloropropane	ND	ug/kg	330				
Dibromochloromethane	ND	ug/kg	95.				
1,1,2-Trichloroethane	ND	ug/kg	140				
Tetrachloroethene	200	ug/kg	95.				
Chlorobenzene	ND	ug/kg	95.				
Trichlorofluoromethane	ND	ug/kg	480				
1,2-Dichloroethane	ND	ug/kg	95.				
1,1,1-Trichloroethane	ND	ug/kg	95.				
Bromodichloromethane	ND	ug/kg	95.				
trans-1,3-Dichloropropene	ND	ug/kg	95.				
cis-1,3-Dichloropropene	ND	ug/kg	95.				
1,1-Dichloropropene	ND	ug/kg	480				
Bromoform	ND	ug/kg	380				
1,1,2,2-Tetrachloroethane	ND	ug/kg	95.				
Benzene	ND	ug/kg	95.				
Toluene	ND	ug/kg	140				
Ethylbenzene	ND	ug/kg	95.				
Chloromethane	ND	ug/kg	480				
Bromomethane	ND	ug/kg	190				
Vinyl chloride	ND	ug/kg	190				
Chloroethane	ND	ug/kg	190				
1,1-Dichloroethene	ND	ug/kg	95.				
trans-1,2-Dichloroethene	ND	ug/kg	140				
Trichloroethene	1200	ug/kg	95.				
1,2-Dichlorobenzene	ND	ug/kg	480				
1,3-Dichlorobenzene	ND	ug/kg	480				
1,4-Dichlorobenzene	ND	ug/kg	480				
Methyl tert butyl ether	ND	ug/kg	190				
p/m-Xylene	ND	ug/kg	190				
o-Xylene	ND	ug/kg	190				
cis-1,2-Dichloroethene	180	ug/kg	95.				
Dibromomethane	ND	ug/kg	950				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-03
B-531C-15-20-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0418 12:42 PD	
1,2,3-Trichloropropane	ND	ug/kg	950			
Styrene	ND	ug/kg	190			
Dichlorodifluoromethane	ND	ug/kg	950			
Acetone	ND	ug/kg	950			
Carbon disulfide	ND	ug/kg	950			
2-Butanone	ND	ug/kg	950			
4-Methyl-2-pentanone	ND	ug/kg	950			
2-Hexanone	ND	ug/kg	950			
Bromochloromethane	ND	ug/kg	480			
Tetrahydrofuran	ND	ug/kg	1900			
2,2-Dichloropropane	ND	ug/kg	480			
1,2-Dibromoethane	ND	ug/kg	380			
1,3-Dichloropropane	ND	ug/kg	480			
1,1,1,2-Tetrachloroethane	ND	ug/kg	95.			
Bromobenzene	ND	ug/kg	480			
n-Butylbenzene	ND	ug/kg	95.			
sec-Butylbenzene	ND	ug/kg	95.			
tert-Butylbenzene	ND	ug/kg	480			
o-Chlorotoluene	ND	ug/kg	480			
p-Chlorotoluene	ND	ug/kg	480			
1,2-Dibromo-3-chloropropane	ND	ug/kg	480			
Hexachlorobutadiene	ND	ug/kg	480			
Isopropylbenzene	ND	ug/kg	95.			
p-Isopropyltoluene	ND	ug/kg	95.			
Naphthalene	ND	ug/kg	480			
n-Propylbenzene	ND	ug/kg	95.			
1,2,3-Trichlorobenzene	ND	ug/kg	480			
1,2,4-Trichlorobenzene	ND	ug/kg	480			
1,3,5-Trimethylbenzene	ND	ug/kg	480			
1,2,4-Trimethylbenzene	ND	ug/kg	480			
Ethyl ether	ND	ug/kg	480			
Isopropyl Ether	ND	ug/kg	380			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	380			
Tertiary-Amyl Methyl Ether	ND	ug/kg	380			
1,4-Dioxane	ND	ug/kg	48000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	96.0	%	70-130			
Toluene-d8	101	%	70-130			
4-Bromofluorobenzene	109	%	70-130			
Dibromofluoromethane	93.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0605331-04	Date Collected:	14-APR-2006 07:35
	B-531C-10-15-01	Date Received :	14-APR-2006
Sample Matrix:	SOIL	Date Reported :	19-APR-2006
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	1-Plastic,3-Vial		

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	

***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-05	Date Collected: 14-APR-2006 08:30
B-531D-15-20-01	Date Received : 14-APR-2006
Sample Matrix: SOIL	Date Reported : 19-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0417 10:58 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0419 00:11 PD
Methylene chloride	ND	ug/kg	780				
1,1-Dichloroethane	ND	ug/kg	120				
Chloroform	ND	ug/kg	120				
Carbon tetrachloride	ND	ug/kg	78.				
1,2-Dichloropropane	ND	ug/kg	270				
Dibromochloromethane	ND	ug/kg	78.				
1,1,2-Trichloroethane	ND	ug/kg	120				
Tetrachloroethene	160	ug/kg	78.				
Chlorobenzene	ND	ug/kg	78.				
Trichlorofluoromethane	ND	ug/kg	390				
1,2-Dichloroethane	ND	ug/kg	78.				
1,1,1-Trichloroethane	ND	ug/kg	78.				
Bromodichloromethane	ND	ug/kg	78.				
trans-1,3-Dichloropropene	ND	ug/kg	78.				
cis-1,3-Dichloropropene	ND	ug/kg	78.				
1,1-Dichloropropene	ND	ug/kg	390				
Bromoform	ND	ug/kg	310				
1,1,2,2-Tetrachloroethane	ND	ug/kg	78.				
Benzene	ND	ug/kg	78.				
Toluene	ND	ug/kg	120				
Ethylbenzene	ND	ug/kg	78.				
Chloromethane	ND	ug/kg	390				
Bromomethane	ND	ug/kg	160				
Vinyl chloride	ND	ug/kg	160				
Chloroethane	ND	ug/kg	160				
1,1-Dichloroethene	ND	ug/kg	78.				
trans-1,2-Dichloroethene	ND	ug/kg	120				
Trichloroethene	1400	ug/kg	78.				
1,2-Dichlorobenzene	ND	ug/kg	390				
1,3-Dichlorobenzene	ND	ug/kg	390				
1,4-Dichlorobenzene	ND	ug/kg	390				
Methyl tert butyl ether	ND	ug/kg	160				
p/m-Xylene	ND	ug/kg	160				
o-Xylene	ND	ug/kg	160				
cis-1,2-Dichloroethene	140	ug/kg	78.				
Dibromomethane	ND	ug/kg	780				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-05
B-531D-15-20-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0419 00:11 PD	
1,2,3-Trichloropropane	ND	ug/kg	780			
Styrene	ND	ug/kg	160			
Dichlorodifluoromethane	ND	ug/kg	780			
Acetone	ND	ug/kg	780			
Carbon disulfide	ND	ug/kg	780			
2-Butanone	ND	ug/kg	780			
4-Methyl-2-pentanone	ND	ug/kg	780			
2-Hexanone	ND	ug/kg	780			
Bromochloromethane	ND	ug/kg	390			
Tetrahydrofuran	ND	ug/kg	1600			
2,2-Dichloropropane	ND	ug/kg	390			
1,2-Dibromoethane	ND	ug/kg	310			
1,3-Dichloropropane	ND	ug/kg	390			
1,1,1,2-Tetrachloroethane	ND	ug/kg	78.			
Bromobenzene	ND	ug/kg	390			
n-Butylbenzene	ND	ug/kg	78.			
sec-Butylbenzene	ND	ug/kg	78.			
tert-Butylbenzene	ND	ug/kg	390			
o-Chlorotoluene	ND	ug/kg	390			
p-Chlorotoluene	ND	ug/kg	390			
1,2-Dibromo-3-chloropropane	ND	ug/kg	390			
Hexachlorobutadiene	ND	ug/kg	390			
Isopropylbenzene	ND	ug/kg	78.			
p-Isopropyltoluene	ND	ug/kg	78.			
Naphthalene	ND	ug/kg	390			
n-Propylbenzene	ND	ug/kg	78.			
1,2,3-Trichlorobenzene	ND	ug/kg	390			
1,2,4-Trichlorobenzene	ND	ug/kg	390			
1,3,5-Trimethylbenzene	ND	ug/kg	390			
1,2,4-Trimethylbenzene	ND	ug/kg	390			
Ethyl ether	ND	ug/kg	390			
Isopropyl Ether	ND	ug/kg	310			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	310			
Tertiary-Amyl Methyl Ether	ND	ug/kg	310			
1,4-Dioxane	ND	ug/kg	39000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	98.0	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	107	%	70-130			
Dibromofluoromethane	94.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-06 Date Collected: 14-APR-2006 09:00
B-531E-15-20-01 Date Received : 14-APR-2006
Sample Matrix: SOIL Date Reported : 19-APR-2006
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-07
B-525C-15-20-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial
Date Collected: 14-APR-2006 09:45
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	

***** THIS SAMPLE IS ON HOLD *****

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ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-09
Sample Matrix: TB-001-20060414-01
Condition of Sample: SOIL
Field Prep: Satisfactory
Date Collected: 12-APR-2006 17:34
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Number & Type of Containers: 1-Vial

Comments:
 Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B/5035-Low				60 8260B	0418 11:17 PD		
Methylene chloride	ND	ug/kg	10.				
1,1-Dichloroethane	ND	ug/kg	1.5				
Chloroform	ND	ug/kg	1.5				
Carbon tetrachloride	ND	ug/kg	1.0				
1,2-Dichloropropane	ND	ug/kg	3.5				
Dibromochloromethane	ND	ug/kg	1.0				
1,1,2-Trichloroethane	ND	ug/kg	1.5				
Tetrachloroethene	ND	ug/kg	1.0				
Chlorobenzene	ND	ug/kg	1.0				
Trichlorofluoromethane	ND	ug/kg	5.0				
1,2-Dichloroethane	ND	ug/kg	1.0				
1,1,1-Trichloroethane	ND	ug/kg	1.0				
Bromodichloromethane	ND	ug/kg	1.0				
trans-1,3-Dichloropropene	ND	ug/kg	1.0				
cis-1,3-Dichloropropene	ND	ug/kg	1.0				
1,1-Dichloropropene	ND	ug/kg	5.0				
Bromoform	ND	ug/kg	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0				
Benzene	ND	ug/kg	1.0				
Toluene	ND	ug/kg	1.5				
Ethylbenzene	ND	ug/kg	1.0				
Chloromethane	ND	ug/kg	5.0				
Bromomethane	ND	ug/kg	2.0				
Vinyl chloride	ND	ug/kg	2.0				
Chloroethane	ND	ug/kg	2.0				
1,1-Dichloroethene	ND	ug/kg	1.0				
trans-1,2-Dichloroethene	ND	ug/kg	1.5				
Trichloroethene	ND	ug/kg	1.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	2.0				
p/m-Xylene	ND	ug/kg	2.0				
o-Xylene	ND	ug/kg	2.0				
cis-1,2-Dichloroethene	ND	ug/kg	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-09
TB-001-20060414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0418 11:17 PD	
Dibromomethane	ND	ug/kg	10.			
1,2,3-Trichloropropane	ND	ug/kg	10.			
Styrene	ND	ug/kg	2.0			
Dichlorodifluoromethane	ND	ug/kg	10.			
Acetone	ND	ug/kg	10.			
Carbon disulfide	ND	ug/kg	10.			
2-Butanone	ND	ug/kg	10.			
4-Methyl-2-pentanone	ND	ug/kg	10.			
2-Hexanone	ND	ug/kg	10.			
Bromochloromethane	ND	ug/kg	5.0			
Tetrahydrofuran	ND	ug/kg	20.			
2,2-Dichloropropane	ND	ug/kg	5.0			
1,2-Dibromoethane	ND	ug/kg	4.0			
1,3-Dichloropropane	ND	ug/kg	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0			
Bromobenzene	ND	ug/kg	5.0			
n-Butylbenzene	ND	ug/kg	1.0			
sec-Butylbenzene	ND	ug/kg	1.0			
tert-Butylbenzene	ND	ug/kg	5.0			
o-Chlorotoluene	ND	ug/kg	5.0			
p-Chlorotoluene	ND	ug/kg	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0			
Hexachlorobutadiene	ND	ug/kg	5.0			
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	97.0	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	109	%	70-130			
Dibromofluoromethane	96.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-10
B-525B-10-15-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial

Date Collected: 14-APR-2006 10:25
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	76	%	0.10	30 2540G			0417 10:58 PD
Volatile Organics by MCP 8260B/5035-Low				60 8260B			0418 12:00 PD
Methylene chloride	ND	ug/kg	13.				
1,1-Dichloroethane	ND	ug/kg	2.0				
Chloroform	ND	ug/kg	2.0				
Carbon tetrachloride	ND	ug/kg	1.3				
1,2-Dichloropropane	ND	ug/kg	4.6				
Dibromochloromethane	ND	ug/kg	1.3				
1,1,2-Trichloroethane	ND	ug/kg	2.0				
Tetrachloroethene	44	ug/kg	1.3				
Chlorobenzene	ND	ug/kg	1.3				
Trichlorofluoromethane	ND	ug/kg	6.6				
1,2-Dichloroethane	ND	ug/kg	1.3				
1,1,1-Trichloroethane	ND	ug/kg	1.3				
Bromodichloromethane	ND	ug/kg	1.3				
trans-1,3-Dichloropropene	ND	ug/kg	1.3				
cis-1,3-Dichloropropene	ND	ug/kg	1.3				
1,1-Dichloropropene	ND	ug/kg	6.6				
Bromoform	ND	ug/kg	5.3				
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.3				
Benzene	ND	ug/kg	1.3				
Toluene	ND	ug/kg	2.0				
Ethylbenzene	ND	ug/kg	1.3				
Chloromethane	ND	ug/kg	6.6				
Bromomethane	ND	ug/kg	2.6				
Vinyl chloride	ND	ug/kg	2.6				
Chloroethane	ND	ug/kg	2.6				
1,1-Dichloroethene	ND	ug/kg	1.3				
trans-1,2-Dichloroethene	ND	ug/kg	2.0				
Trichloroethene	250	ug/kg	1.3				
1,2-Dichlorobenzene	ND	ug/kg	6.6				
1,3-Dichlorobenzene	ND	ug/kg	6.6				
1,4-Dichlorobenzene	ND	ug/kg	6.6				
Methyl tert butyl ether	ND	ug/kg	2.6				
p/m-Xylene	ND	ug/kg	2.6				
o-Xylene	ND	ug/kg	2.6				
cis-1,2-Dichloroethene	85	ug/kg	1.3				
Dibromomethane	ND	ug/kg	13.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-10
B-525B-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0418 12:00 PD	
1,2,3-Trichloropropane	ND	ug/kg	13.			
Styrene	ND	ug/kg	2.6			
Dichlorodifluoromethane	ND	ug/kg	13.			
Acetone	ND	ug/kg	13.			
Carbon disulfide	ND	ug/kg	13.			
2-Butanone	ND	ug/kg	13.			
4-Methyl-2-pentanone	ND	ug/kg	13.			
2-Hexanone	ND	ug/kg	13.			
Bromochloromethane	ND	ug/kg	6.6			
Tetrahydrofuran	ND	ug/kg	26.			
2,2-Dichloropropane	ND	ug/kg	6.6			
1,2-Dibromoethane	ND	ug/kg	5.3			
1,3-Dichloropropane	ND	ug/kg	6.6			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.3			
Bromobenzene	ND	ug/kg	6.6			
n-Butylbenzene	ND	ug/kg	1.3			
sec-Butylbenzene	ND	ug/kg	1.3			
tert-Butylbenzene	ND	ug/kg	6.6			
o-Chlorotoluene	ND	ug/kg	6.6			
p-Chlorotoluene	ND	ug/kg	6.6			
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6			
Hexachlorobutadiene	ND	ug/kg	6.6			
Isopropylbenzene	ND	ug/kg	1.3			
p-Isopropyltoluene	ND	ug/kg	1.3			
Naphthalene	ND	ug/kg	6.6			
n-Propylbenzene	ND	ug/kg	1.3			
1,2,3-Trichlorobenzene	ND	ug/kg	6.6			
1,2,4-Trichlorobenzene	ND	ug/kg	6.6			
1,3,5-Trimethylbenzene	ND	ug/kg	6.6			
1,2,4-Trimethylbenzene	ND	ug/kg	6.6			
Ethyl ether	ND	ug/kg	6.6			
Isopropyl Ether	ND	ug/kg	5.3			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	5.3			
Tertiary-Amyl Methyl Ether	ND	ug/kg	5.3			
1,4-Dioxane	ND	ug/kg	660			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	95.0	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	110	%	70-130			
Dibromofluoromethane	96.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-11 Date Collected: 14-APR-2006 10:35
B-525B-15-20-01 Date Received : 14-APR-2006
Sample Matrix: SOIL Date Reported : 19-APR-2006
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-12	Date Collected: 14-APR-2006 11:10
B-525A-10-15-01	Date Received : 14-APR-2006
Sample Matrix: SOIL	Date Reported : 19-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0417 10:58 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0419 00:54 PD
Methylene chloride	ND	ug/kg	890				
1,1-Dichloroethane	ND	ug/kg	130				
Chloroform	ND	ug/kg	130				
Carbon tetrachloride	ND	ug/kg	89.				
1,2-Dichloropropane	ND	ug/kg	310				
Dibromochloromethane	ND	ug/kg	89.				
1,1,2-Trichloroethane	ND	ug/kg	130				
Tetrachloroethene	220	ug/kg	89.				
Chlorobenzene	ND	ug/kg	89.				
Trichlorofluoromethane	ND	ug/kg	440				
1,2-Dichloroethane	ND	ug/kg	89.				
1,1,1-Trichloroethane	ND	ug/kg	89.				
Bromodichloromethane	ND	ug/kg	89.				
trans-1,3-Dichloropropene	ND	ug/kg	89.				
cis-1,3-Dichloropropene	ND	ug/kg	89.				
1,1-Dichloropropene	ND	ug/kg	440				
Bromoform	ND	ug/kg	350				
1,1,2,2-Tetrachloroethane	ND	ug/kg	89.				
Benzene	ND	ug/kg	89.				
Toluene	ND	ug/kg	130				
Ethylbenzene	ND	ug/kg	89.				
Chloromethane	ND	ug/kg	440				
Bromomethane	ND	ug/kg	180				
Vinyl chloride	ND	ug/kg	180				
Chloroethane	ND	ug/kg	180				
1,1-Dichloroethene	ND	ug/kg	89.				
trans-1,2-Dichloroethene	ND	ug/kg	130				
Trichloroethene	1800	ug/kg	89.				
1,2-Dichlorobenzene	ND	ug/kg	440				
1,3-Dichlorobenzene	ND	ug/kg	440				
1,4-Dichlorobenzene	ND	ug/kg	440				
Methyl tert butyl ether	ND	ug/kg	180				
p/m-Xylene	ND	ug/kg	180				
o-Xylene	ND	ug/kg	180				
cis-1,2-Dichloroethene	330	ug/kg	89.				
Dibromomethane	ND	ug/kg	890				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-12
B-525A-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0419 00:54 PD	
1,2,3-Trichloropropane	ND	ug/kg	890			
Styrene	ND	ug/kg	180			
Dichlorodifluoromethane	ND	ug/kg	890			
Acetone	ND	ug/kg	890			
Carbon disulfide	ND	ug/kg	890			
2-Butanone	ND	ug/kg	890			
4-Methyl-2-pentanone	ND	ug/kg	890			
2-Hexanone	ND	ug/kg	890			
Bromochloromethane	ND	ug/kg	440			
Tetrahydrofuran	ND	ug/kg	1800			
2,2-Dichloropropane	ND	ug/kg	440			
1,2-Dibromoethane	ND	ug/kg	350			
1,3-Dichloropropane	ND	ug/kg	440			
1,1,1,2-Tetrachloroethane	ND	ug/kg	89.			
Bromobenzene	ND	ug/kg	440			
n-Butylbenzene	ND	ug/kg	89.			
sec-Butylbenzene	ND	ug/kg	89.			
tert-Butylbenzene	ND	ug/kg	440			
o-Chlorotoluene	ND	ug/kg	440			
p-Chlorotoluene	ND	ug/kg	440			
1,2-Dibromo-3-chloropropane	ND	ug/kg	440			
Hexachlorobutadiene	ND	ug/kg	440			
Isopropylbenzene	ND	ug/kg	89.			
p-Isopropyltoluene	ND	ug/kg	89.			
Naphthalene	ND	ug/kg	440			
n-Propylbenzene	ND	ug/kg	89.			
1,2,3-Trichlorobenzene	ND	ug/kg	440			
1,2,4-Trichlorobenzene	ND	ug/kg	440			
1,3,5-Trimethylbenzene	ND	ug/kg	440			
1,2,4-Trimethylbenzene	ND	ug/kg	440			
Ethyl ether	ND	ug/kg	440			
Isopropyl Ether	ND	ug/kg	350			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	350			
Tertiary-Amyl Methyl Ether	ND	ug/kg	350			
1,4-Dioxane	ND	ug/kg	44000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	95.0	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	110	%	70-130			
Dibromofluoromethane	94.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-13
B-525A-15-20-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial
Date Collected: 14-APR-2006 11:20
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-14	Date Collected: 14-APR-2006 12:05
B-530B-10-15-01	Date Received : 14-APR-2006
Sample Matrix: SOIL	Date Reported : 19-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0417 10:58 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0419 11:06 RY
Methylene chloride	ND	ug/kg	840				
1,1-Dichloroethane	ND	ug/kg	120				
Chloroform	ND	ug/kg	120				
Carbon tetrachloride	ND	ug/kg	84.				
1,2-Dichloropropane	ND	ug/kg	290				
Dibromochloromethane	ND	ug/kg	84.				
1,1,2-Trichloroethane	ND	ug/kg	120				
Tetrachloroethene	210	ug/kg	84.				
Chlorobenzene	ND	ug/kg	84.				
Trichlorofluoromethane	ND	ug/kg	420				
1,2-Dichloroethane	ND	ug/kg	84.				
1,1,1-Trichloroethane	ND	ug/kg	84.				
Bromodichloromethane	ND	ug/kg	84.				
trans-1,3-Dichloropropene	ND	ug/kg	84.				
cis-1,3-Dichloropropene	ND	ug/kg	84.				
1,1-Dichloropropene	ND	ug/kg	420				
Bromoform	ND	ug/kg	340				
1,1,2,2-Tetrachloroethane	ND	ug/kg	84.				
Benzene	ND	ug/kg	84.				
Toluene	ND	ug/kg	120				
Ethylbenzene	ND	ug/kg	84.				
Chloromethane	ND	ug/kg	420				
Bromomethane	ND	ug/kg	170				
Vinyl chloride	ND	ug/kg	170				
Chloroethane	ND	ug/kg	170				
1,1-Dichloroethene	ND	ug/kg	84.				
trans-1,2-Dichloroethene	ND	ug/kg	120				
Trichloroethene	1700	ug/kg	84.				
1,2-Dichlorobenzene	ND	ug/kg	420				
1,3-Dichlorobenzene	ND	ug/kg	420				
1,4-Dichlorobenzene	ND	ug/kg	420				
Methyl tert butyl ether	ND	ug/kg	170				
p/m-Xylene	ND	ug/kg	170				
o-Xylene	ND	ug/kg	170				
cis-1,2-Dichloroethene	260	ug/kg	84.				
Dibromomethane	ND	ug/kg	840				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605331-14
B-530B-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0419 11:06 RY	
1,2,3-Trichloropropane	ND	ug/kg	840			
Styrene	ND	ug/kg	170			
Dichlorodifluoromethane	ND	ug/kg	840			
Acetone	ND	ug/kg	840			
Carbon disulfide	ND	ug/kg	840			
2-Butanone	ND	ug/kg	840			
4-Methyl-2-pentanone	ND	ug/kg	840			
2-Hexanone	ND	ug/kg	840			
Bromochloromethane	ND	ug/kg	420			
Tetrahydrofuran	ND	ug/kg	1700			
2,2-Dichloropropane	ND	ug/kg	420			
1,2-Dibromoethane	ND	ug/kg	340			
1,3-Dichloropropane	ND	ug/kg	420			
1,1,1,2-Tetrachloroethane	ND	ug/kg	84.			
Bromobenzene	ND	ug/kg	420			
n-Butylbenzene	ND	ug/kg	84.			
sec-Butylbenzene	ND	ug/kg	84.			
tert-Butylbenzene	ND	ug/kg	420			
o-Chlorotoluene	ND	ug/kg	420			
p-Chlorotoluene	ND	ug/kg	420			
1,2-Dibromo-3-chloropropane	ND	ug/kg	420			
Hexachlorobutadiene	ND	ug/kg	420			
Isopropylbenzene	ND	ug/kg	84.			
p-Isopropyltoluene	ND	ug/kg	84.			
Naphthalene	ND	ug/kg	420			
n-Propylbenzene	ND	ug/kg	84.			
1,2,3-Trichlorobenzene	ND	ug/kg	420			
1,2,4-Trichlorobenzene	ND	ug/kg	420			
1,3,5-Trimethylbenzene	ND	ug/kg	420			
1,2,4-Trimethylbenzene	ND	ug/kg	420			
Ethyl ether	ND	ug/kg	420			
Isopropyl Ether	ND	ug/kg	340			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	340			
Tertiary-Amyl Methyl Ether	ND	ug/kg	340			
1,4-Dioxane	ND	ug/kg	42000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	106	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	104	%	70-130			
Dibromofluoromethane	95.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-15 Date Collected: 14-APR-2006 12:15
B-530B-15-20-01 Date Received : 14-APR-2006
Sample Matrix: SOIL Date Reported : 19-APR-2006
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	

***** THIS SAMPLE IS ON HOLD *****

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ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-17
B-530C-10-15-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial
Date Collected: 14-APR-2006 12:35
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605331-18
B-531F-15-20-01
Sample Matrix: SOIL
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic,3-Vial
Date Collected: 14-APR-2006 13:05
Date Received : 14-APR-2006
Date Reported : 19-APR-2006
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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***** THIS SAMPLE IS ON HOLD *****

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0605331

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 03,05,10,12,14 (L0605329-01, WG236263-1)					
Solids, Total	90	90	%	0	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 09-10 (WG236422-1, WG236422-2)					
Methylene chloride	118	115	3	25	70-130
1,1-Dichloroethane	110	110	0	25	70-130
Chloroform	107	105	2	25	70-130
Carbon tetrachloride	106	102	4	25	70-130
1,2-Dichloropropane	119	117	2	25	70-130
Dibromochloromethane	101	100	1	25	70-130
1,1,2-Trichloroethane	122	119	2	25	70-130
Tetrachloroethene	126	119	6	25	70-130
Chlorobenzene	114	111	3	25	70-130
Trichlorofluoromethane	110	102	8	25	70-130
1,2-Dichloroethane	112	106	6	25	70-130
1,1,1-Trichloroethane	107	103	4	25	70-130
Bromodichloromethane	105	101	4	25	70-130
trans-1,3-Dichloropropene	100	98	2	25	70-130
cis-1,3-Dichloropropene	111	109	2	25	70-130
1,1-Dichloropropene	116	111	4	25	70-130
Bromoform	99	95	4	50	70-130
1,1,2,2-Tetrachloroethane	128	121	6	25	70-130
Benzene	116	113	3	25	70-130
Toluene	112	110	2	25	70-130
Ethylbenzene	118	114	3	25	70-130
Chloromethane	92	88	4	50	70-130
Bromomethane	98	98	0	50	70-130
Vinyl chloride	100	95	5	25	70-130
Chloroethane	106	102	4	25	70-130
1,1-Dichloroethene	113	109	4	25	70-130
trans-1,2-Dichloroethene	114	110	4	25	70-130
Trichloroethene	112	109	3	25	70-130
1,2-Dichlorobenzene	114	111	3	25	70-130
1,3-Dichlorobenzene	116	113	3	25	70-130
1,4-Dichlorobenzene	115	112	3	25	70-130
Methyl tert butyl ether	107	105	2	25	70-130
p/m-Xylene	121	117	3	25	70-130
o-Xylene	119	117	2	25	70-130
cis-1,2-Dichloroethene	122	117	4	25	70-130
Dibromomethane	122	117	4	25	70-130
1,2,3-Trichloropropane	126	121	4	25	70-130
Styrene	120	117	3	25	70-130
Dichlorodifluoromethane	73	70	4	50	70-130
Acetone	130	112	15	50	70-130
Carbon disulfide	81	80	1	25	70-130
2-Butanone	117	109	7	50	70-130
4-Methyl-2-pentanone	111	100	10	50	70-130
2-Hexanone	113	105	7	50	70-130
Bromochloromethane	116	113	3	25	70-130
Tetrahydrofuran	119	109	9	25	70-130
2,2-Dichloropropane	108	105	3	50	70-130
1,2-Dibromoethane	116	113	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-Low for sample(s) 09-10 (WG236422-1, WG236422-2)					
1,3-Dichloropropane	114	112	2	25	70-130
1,1,1,2-Tetrachloroethane	109	109	0	25	70-130
Bromobenzene	114	112	2	25	70-130
n-Butylbenzene	122	116	5	25	70-130
sec-Butylbenzene	119	114	4	25	70-130
tert-Butylbenzene	113	111	2	25	70-130
o-Chlorotoluene	114	111	3	25	70-130
p-Chlorotoluene	111	108	3	25	70-130
1,2-Dibromo-3-chloropropane	95	94	1	50	70-130
Hexachlorobutadiene	105	103	2	25	70-130
Isopropylbenzene	127	123	3	25	70-130
p-Isopropyltoluene	120	114	5	25	70-130
Naphthalene	94	98	4	25	70-130
n-Propylbenzene	120	116	3	25	70-130
1,2,3-Trichlorobenzene	104	107	3	25	70-130
1,2,4-Trichlorobenzene	99	99	0	25	70-130
1,3,5-Trimethylbenzene	115	112	3	25	70-130
1,2,4-Trimethylbenzene	116	112	4	25	70-130
Ethyl ether	106	103	3	25	70-130
Isopropyl Ether	112	112	0	25	70-130
Ethyl-Tert-Butyl-Ether	108	106	2	25	70-130
Tertiary-Amyl Methyl Ether	108	106	2	25	70-130
1,4-Dioxane	126	113	11	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	100	96	4		70-130
Toluene-d8	100	100	0		70-130
4-Bromofluorobenzene	96	96	0		70-130
Dibromofluoromethane	99	99	0		70-130
Volatile Organics by MCP 8260B/5035-High for sample(s) 03 (WG236414-1, WG236414-2)					
Methylene chloride	118	115	3	25	70-130
1,1-Dichloroethane	110	110	0	25	70-130
Chloroform	107	105	2	25	70-130
Carbon tetrachloride	106	102	4	25	70-130
1,2-Dichloropropane	119	117	2	25	70-130
Dibromochloromethane	101	100	1	25	70-130
1,1,2-Trichloroethane	122	119	2	25	70-130
Tetrachloroethene	126	119	6	25	70-130
Chlorobenzene	114	111	3	25	70-130
Trichlorofluoromethane	110	102	8	25	70-130
1,2-Dichloroethane	112	106	6	25	70-130
1,1,1-Trichloroethane	107	103	4	25	70-130
Bromodichloromethane	105	101	4	25	70-130
trans-1,3-Dichloropropene	100	98	2	25	70-130
cis-1,3-Dichloropropene	111	109	2	25	70-130
1,1-Dichloropropene	116	111	4	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 03 (WG236414-1, WG236414-2)					
Bromoform	99	95	4	50	70-130
1,1,2,2-Tetrachloroethane	128	121	6	25	70-130
Benzene	116	113	3	25	70-130
Toluene	112	110	2	25	70-130
Ethylbenzene	118	114	3	25	70-130
Chloromethane	92	88	4	50	70-130
Bromomethane	98	98	0	50	70-130
Vinyl chloride	100	95	5	25	70-130
Chloroethane	106	102	4	25	70-130
1,1-Dichloroethene	113	109	4	25	70-130
trans-1,2-Dichloroethene	114	110	4	25	70-130
Trichloroethene	112	109	3	25	70-130
1,2-Dichlorobenzene	114	111	3	25	70-130
1,3-Dichlorobenzene	116	113	3	25	70-130
1,4-Dichlorobenzene	115	112	3	25	70-130
Methyl tert butyl ether	107	105	2	25	70-130
p/m-Xylene	121	117	3	25	70-130
o-Xylene	119	117	2	25	70-130
cis-1,2-Dichloroethene	122	117	4	25	70-130
Dibromomethane	122	117	4	25	70-130
1,2,3-Trichloropropane	126	121	4	25	70-130
Styrene	120	117	3	25	70-130
Dichlorodifluoromethane	73	70	4	50	70-130
Acetone	130	112	15	50	70-130
Carbon disulfide	81	80	1	25	70-130
2-Butanone	117	109	7	50	70-130
4-Methyl-2-pentanone	111	100	10	50	70-130
2-Hexanone	113	105	7	50	70-130
Bromochloromethane	116	113	3	25	70-130
Tetrahydrofuran	119	109	9	25	70-130
2,2-Dichloropropane	108	105	3	50	70-130
1,2-Dibromoethane	116	113	3	25	70-130
1,3-Dichloropropane	114	112	2	25	70-130
1,1,1,2-Tetrachloroethane	109	109	0	25	70-130
Bromobenzene	114	112	2	25	70-130
n-Butylbenzene	122	116	5	25	70-130
sec-Butylbenzene	119	114	4	25	70-130
tert-Butylbenzene	113	111	2	25	70-130
o-Chlorotoluene	114	111	3	25	70-130
p-Chlorotoluene	111	108	3	25	70-130
1,2-Dibromo-3-chloropropane	95	94	1	50	70-130
Hexachlorobutadiene	105	103	2	25	70-130
Isopropylbenzene	127	123	3	25	70-130
p-Isopropyltoluene	120	114	5	25	70-130
Naphthalene	94	98	4	25	70-130
n-Propylbenzene	120	116	3	25	70-130
1,2,3-Trichlorobenzene	104	107	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 03 (WG236414-1, WG236414-2)					
1,2,4-Trichlorobenzene	99	99	0	25	70-130
1,3,5-Trimethylbenzene	115	112	3	25	70-130
1,2,4-Trimethylbenzene	116	112	4	25	70-130
Ethyl ether	106	103	3	25	70-130
Isopropyl Ether	112	112	0	25	70-130
Ethyl-Tert-Butyl-Ether	108	106	2	25	70-130
Tertiary-Amyl Methyl Ether	108	106	2	25	70-130
1,4-Dioxane	126	113	11	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	100	96	4		70-130
Toluene-d8	100	100	0		70-130
4-Bromofluorobenzene	96	97	1		70-130
Dibromofluoromethane	99	99	0		70-130
Volatile Organics by MCP 8260B/5035-High for sample(s) 14 (WG236583-1, WG236583-2)					
Methylene chloride	87	87	0	25	70-130
1,1-Dichloroethane	118	115	3	25	70-130
Chloroform	108	106	2	25	70-130
Carbon tetrachloride	103	102	1	25	70-130
1,2-Dichloropropane	118	116	2	25	70-130
Dibromochloromethane	97	95	2	25	70-130
1,1,2-Trichloroethane	112	107	5	25	70-130
Tetrachloroethene	104	98	6	25	70-130
Chlorobenzene	102	98	4	25	70-130
Trichlorofluoromethane	115	113	2	25	70-130
1,2-Dichloroethane	126	124	2	25	70-130
1,1,1-Trichloroethane	107	106	1	25	70-130
Bromodichloromethane	107	108	1	25	70-130
trans-1,3-Dichloropropene	81	78	4	25	70-130
cis-1,3-Dichloropropene	90	90	0	25	70-130
1,1-Dichloropropene	113	108	5	25	70-130
Bromoform	101	102	1	50	70-130
1,1,2,2-Tetrachloroethane	100	96	4	25	70-130
Benzene	110	109	1	25	70-130
Toluene	105	102	3	25	70-130
Ethylbenzene	110	105	5	25	70-130
Chloromethane	102	103	1	50	70-130
Bromomethane	108	116	7	50	70-130
Vinyl chloride	105	107	2	25	70-130
Chloroethane	100	94	6	25	70-130
1,1-Dichloroethene	101	101	0	25	70-130
trans-1,2-Dichloroethene	102	103	1	25	70-130
Trichloroethene	109	105	4	25	70-130
1,2-Dichlorobenzene	95	94	1	25	70-130
1,3-Dichlorobenzene	99	97	2	25	70-130
1,4-Dichlorobenzene	97	96	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 14 (WG236583-1, WG236583-2)					
Methyl tert butyl ether	105	104	1	25	70-130
p/m-Xylene	110	107	3	25	70-130
o-Xylene	95	93	2	25	70-130
cis-1,2-Dichloroethene	111	110	1	25	70-130
Dibromomethane	114	110	4	25	70-130
1,2,3-Trichloropropane	110	106	4	25	70-130
Styrene	94	93	1	25	70-130
Dichlorodifluoromethane	86	85	1	50	70-130
Acetone	178	168	6	50	70-130
Carbon disulfide	114	112	2	25	70-130
2-Butanone	125	122	2	50	70-130
4-Methyl-2-pentanone	105	101	4	50	70-130
2-Hexanone	127	120	6	50	70-130
Bromochloromethane	107	104	3	25	70-130
Tetrahydrofuran	128	126	2	25	70-130
2,2-Dichloropropane	98	101	3	50	70-130
1,2-Dibromoethane	96	90	6	25	70-130
1,3-Dichloropropane	103	99	4	25	70-130
1,1,1,2-Tetrachloroethane	105	104	1	25	70-130
Bromobenzene	96	95	1	25	70-130
n-Butylbenzene	107	105	2	25	70-130
sec-Butylbenzene	103	101	2	25	70-130
tert-Butylbenzene	97	96	1	25	70-130
o-Chlorotoluene	107	105	2	25	70-130
p-Chlorotoluene	102	99	3	25	70-130
1,2-Dibromo-3-chloropropane	100	98	2	50	70-130
Hexachlorobutadiene	86	89	3	25	70-130
Isopropylbenzene	106	103	3	25	70-130
p-Isopropyltoluene	94	92	2	25	70-130
Naphthalene	85	90	6	25	70-130
n-Propylbenzene	106	102	4	25	70-130
1,2,3-Trichlorobenzene	87	90	3	25	70-130
1,2,4-Trichlorobenzene	88	91	3	25	70-130
1,3,5-Trimethylbenzene	102	99	3	25	70-130
1,2,4-Trimethylbenzene	105	101	4	25	70-130
Ethyl ether	120	118	2	25	70-130
Isopropyl Ether	129	128	1	25	70-130
Ethyl-Tert-Butyl-Ether	103	103	0	25	70-130
Tertiary-Amyl Methyl Ether	95	94	1	25	70-130
1,4-Dioxane	106	105	1	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	115	114	1		70-130
Toluene-d8	102	100	2		70-130
4-Bromofluorobenzene	101	98	3		70-130
Dibromofluoromethane	104	105	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 05,12 (WG236414-4, WG236414-5)					
Methylene chloride	117	114	3	25	70-130
1,1-Dichloroethane	109	107	2	25	70-130
Chloroform	108	103	5	25	70-130
Carbon tetrachloride	107	99	8	25	70-130
1,2-Dichloropropane	116	113	3	25	70-130
Dibromochloromethane	102	107	5	25	70-130
1,1,2-Trichloroethane	116	116	0	25	70-130
Tetrachloroethene	120	114	5	25	70-130
Chlorobenzene	110	107	3	25	70-130
Trichlorofluoromethane	107	100	7	25	70-130
1,2-Dichloroethane	108	108	0	25	70-130
1,1,1-Trichloroethane	106	100	6	25	70-130
Bromodichloromethane	106	102	4	25	70-130
trans-1,3-Dichloropropene	98	98	0	25	70-130
cis-1,3-Dichloropropene	108	107	1	25	70-130
1,1-Dichloropropene	113	107	5	25	70-130
Bromoform	96	103	7	50	70-130
1,1,2,2-Tetrachloroethane	119	123	3	25	70-130
Benzene	112	110	2	25	70-130
Toluene	109	105	4	25	70-130
Ethylbenzene	114	109	4	25	70-130
Chloromethane	90	86	5	50	70-130
Bromomethane	98	99	1	50	70-130
Vinyl chloride	98	92	6	25	70-130
Chloroethane	103	99	4	25	70-130
1,1-Dichloroethene	110	105	5	25	70-130
trans-1,2-Dichloroethene	113	108	5	25	70-130
Trichloroethene	110	104	6	25	70-130
1,2-Dichlorobenzene	111	109	2	25	70-130
1,3-Dichlorobenzene	115	110	4	25	70-130
1,4-Dichlorobenzene	114	109	4	25	70-130
Methyl tert butyl ether	104	107	3	25	70-130
p/m-Xylene	120	113	6	25	70-130
o-Xylene	117	113	3	25	70-130
cis-1,2-Dichloroethene	117	116	1	25	70-130
Dibromomethane	115	114	1	25	70-130
1,2,3-Trichloropropane	115	124	8	25	70-130
Styrene	118	114	3	25	70-130
Dichlorodifluoromethane	74	67	10	50	70-130
Acetone	112	121	8	50	70-130
Carbon disulfide	84	77	9	25	70-130
2-Butanone	101	110	9	50	70-130
4-Methyl-2-pentanone	92	106	14	50	70-130
2-Hexanone	92	108	16	50	70-130
Bromochloromethane	116	112	4	25	70-130
Tetrahydrofuran	100	115	14	25	70-130
2,2-Dichloropropane	107	100	7	50	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605331

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 05,12 (WG236414-4, WG236414-5)					
1,2-Dibromoethane	111	115	4	25	70-130
1,3-Dichloropropane	108	111	3	25	70-130
1,1,1,2-Tetrachloroethane	110	108	2	25	70-130
Bromobenzene	112	110	2	25	70-130
n-Butylbenzene	117	108	8	25	70-130
sec-Butylbenzene	115	110	4	25	70-130
tert-Butylbenzene	112	106	6	25	70-130
o-Chlorotoluene	112	108	4	25	70-130
p-Chlorotoluene	110	105	5	25	70-130
1,2-Dibromo-3-chloropropane	92	98	6	50	70-130
Hexachlorobutadiene	102	95	7	25	70-130
Isopropylbenzene	124	117	6	25	70-130
p-Isopropyltoluene	116	110	5	25	70-130
Naphthalene	86	96	11	25	70-130
n-Propylbenzene	117	111	5	25	70-130
1,2,3-Trichlorobenzene	97	102	5	25	70-130
1,2,4-Trichlorobenzene	94	95	1	25	70-130
1,3,5-Trimethylbenzene	113	108	5	25	70-130
1,2,4-Trimethylbenzene	114	108	5	25	70-130
Ethyl ether	104	107	3	25	70-130
Isopropyl Ether	109	109	0	25	70-130
Ethyl-Tert-Butyl-Ether	106	107	1	25	70-130
Tertiary-Amyl Methyl Ether	103	106	3	25	70-130
1,4-Dioxane	105	119	13	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	96	97	1		70-130
Toluene-d8	100	99	1		70-130
4-Bromofluorobenzene	96	96	0		70-130
Dibromofluoromethane	103	100	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 09-10 (WG236422-3)						
Volatile Organics by MCP 8260B/5035-Low				60 8260B	0418 08:57 PD	
Methylene chloride	ND	ug/kg	10.			
1,1-Dichloroethane	ND	ug/kg	1.5			
Chloroform	ND	ug/kg	1.5			
Carbon tetrachloride	ND	ug/kg	1.0			
1,2-Dichloropropane	ND	ug/kg	3.5			
Dibromochloromethane	ND	ug/kg	1.0			
1,1,2-Trichloroethane	ND	ug/kg	1.5			
Tetrachloroethene	ND	ug/kg	1.0			
Chlorobenzene	ND	ug/kg	1.0			
Trichlorofluoromethane	ND	ug/kg	5.0			
1,2-Dichloroethane	ND	ug/kg	1.0			
1,1,1-Trichloroethane	ND	ug/kg	1.0			
Bromodichloromethane	ND	ug/kg	1.0			
trans-1,3-Dichloropropene	ND	ug/kg	1.0			
cis-1,3-Dichloropropene	ND	ug/kg	1.0			
1,1-Dichloropropene	ND	ug/kg	5.0			
Bromoform	ND	ug/kg	4.0			
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.0			
Benzene	ND	ug/kg	1.0			
Toluene	ND	ug/kg	1.5			
Ethylbenzene	ND	ug/kg	1.0			
Chloromethane	ND	ug/kg	5.0			
Bromomethane	ND	ug/kg	2.0			
Vinyl chloride	ND	ug/kg	2.0			
Chloroethane	ND	ug/kg	2.0			
1,1-Dichloroethene	ND	ug/kg	1.0			
trans-1,2-Dichloroethene	ND	ug/kg	1.5			
Trichloroethene	ND	ug/kg	1.0			
1,2-Dichlorobenzene	ND	ug/kg	5.0			
1,3-Dichlorobenzene	ND	ug/kg	5.0			
1,4-Dichlorobenzene	ND	ug/kg	5.0			
Methyl tert butyl ether	ND	ug/kg	2.0			
p/m-Xylene	ND	ug/kg	2.0			
o-Xylene	ND	ug/kg	2.0			
cis-1,2-Dichloroethene	ND	ug/kg	1.0			
Dibromomethane	ND	ug/kg	10.			
1,2,3-Trichloropropane	ND	ug/kg	10.			
Styrene	ND	ug/kg	2.0			
Dichlorodifluoromethane	ND	ug/kg	10.			
Acetone	ND	ug/kg	10.			
Carbon disulfide	ND	ug/kg	10.			
2-Butanone	ND	ug/kg	10.			
4-Methyl-2-pentanone	ND	ug/kg	10.			
2-Hexanone	ND	ug/kg	10.			
Bromochloromethane	ND	ug/kg	5.0			
Tetrahydrofuran	ND	ug/kg	20.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 09-10 (WG236422-3)						
Volatile Organics by MCP 8260B/5035-Low cont'd				60 8260B	0418 08:57 PD	
2,2-Dichloropropane	ND	ug/kg	5.0			
1,2-Dibromoethane	ND	ug/kg	4.0			
1,3-Dichloropropane	ND	ug/kg	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0			
Bromobenzene	ND	ug/kg	5.0			
n-Butylbenzene	ND	ug/kg	1.0			
sec-Butylbenzene	ND	ug/kg	1.0			
tert-Butylbenzene	ND	ug/kg	5.0			
o-Chlorotoluene	ND	ug/kg	5.0			
p-Chlorotoluene	ND	ug/kg	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0			
Hexachlorobutadiene	ND	ug/kg	5.0			
Isopropylbenzene	ND	ug/kg	1.0			
p-Isopropyltoluene	ND	ug/kg	1.0			
Naphthalene	ND	ug/kg	5.0			
n-Propylbenzene	ND	ug/kg	1.0			
1,2,3-Trichlorobenzene	ND	ug/kg	5.0			
1,2,4-Trichlorobenzene	ND	ug/kg	5.0			
1,3,5-Trimethylbenzene	ND	ug/kg	5.0			
1,2,4-Trimethylbenzene	ND	ug/kg	5.0			
Ethyl ether	ND	ug/kg	5.0			
Isopropyl Ether	ND	ug/kg	4.0			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	4.0			
Tertiary-Amyl Methyl Ether	ND	ug/kg	4.0			
1,4-Dioxane	ND	ug/kg	500			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	96.0	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	96.0	%	70-130			
Blank Analysis for sample(s) 03 (WG236414-3)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0418 08:57 PD	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 03 (WG236414-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0418 08:57 PD	
Bromodichloromethane	ND	ug/kg	50.			
trans-1,3-Dichloropropene	ND	ug/kg	50.			
cis-1,3-Dichloropropene	ND	ug/kg	50.			
1,1-Dichloropropene	ND	ug/kg	250			
Bromoform	ND	ug/kg	200			
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.			
Benzene	ND	ug/kg	50.			
Toluene	ND	ug/kg	75.			
Ethylbenzene	ND	ug/kg	50.			
Chloromethane	ND	ug/kg	250			
Bromomethane	ND	ug/kg	100			
Vinyl chloride	ND	ug/kg	100			
Chloroethane	ND	ug/kg	100			
1,1-Dichloroethene	ND	ug/kg	50.			
trans-1,2-Dichloroethene	ND	ug/kg	75.			
Trichloroethene	ND	ug/kg	50.			
1,2-Dichlorobenzene	ND	ug/kg	250			
1,3-Dichlorobenzene	ND	ug/kg	250			
1,4-Dichlorobenzene	ND	ug/kg	250			
Methyl tert butyl ether	ND	ug/kg	100			
p/m-Xylene	ND	ug/kg	100			
o-Xylene	ND	ug/kg	100			
cis-1,2-Dichloroethene	ND	ug/kg	50.			
Dibromomethane	ND	ug/kg	500			
1,2,3-Trichloropropane	ND	ug/kg	500			
Styrene	ND	ug/kg	100			
Dichlorodifluoromethane	ND	ug/kg	500			
Acetone	ND	ug/kg	500			
Carbon disulfide	ND	ug/kg	500			
2-Butanone	ND	ug/kg	500			
4-Methyl-2-pentanone	ND	ug/kg	500			
2-Hexanone	ND	ug/kg	500			
Bromochloromethane	ND	ug/kg	250			
Tetrahydrofuran	ND	ug/kg	1000			
2,2-Dichloropropane	ND	ug/kg	250			
1,2-Dibromoethane	ND	ug/kg	200			
1,3-Dichloropropane	ND	ug/kg	250			
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.			
Bromobenzene	ND	ug/kg	250			
n-Butylbenzene	ND	ug/kg	50.			
sec-Butylbenzene	ND	ug/kg	50.			
tert-Butylbenzene	ND	ug/kg	250			
o-Chlorotoluene	ND	ug/kg	250			
p-Chlorotoluene	ND	ug/kg	250			
1,2-Dibromo-3-chloropropane	ND	ug/kg	250			
Hexachlorobutadiene	ND	ug/kg	250			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 03 (WG236414-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0418 08:57 PD	
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	96.0	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	96.0	%	70-130			
Blank Analysis for sample(s) 05,12 (WG236414-6)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0418 14:54 PD	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			
Bromodichloromethane	ND	ug/kg	50.			
trans-1,3-Dichloropropene	ND	ug/kg	50.			
cis-1,3-Dichloropropene	ND	ug/kg	50.			
1,1-Dichloropropene	ND	ug/kg	250			
Bromoform	ND	ug/kg	200			
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.			
Benzene	ND	ug/kg	50.			
Toluene	ND	ug/kg	75.			
Ethylbenzene	ND	ug/kg	50.			
Chloromethane	ND	ug/kg	250			
Bromomethane	ND	ug/kg	100			
Vinyl chloride	ND	ug/kg	100			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 05,12 (WG236414-6)							
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B		0418 14:54 PD	
Chloroethane	ND	ug/kg	100				
1,1-Dichloroethene	ND	ug/kg	50.				
trans-1,2-Dichloroethene	ND	ug/kg	75.				
Trichloroethene	ND	ug/kg	50.				
1,2-Dichlorobenzene	ND	ug/kg	250				
1,3-Dichlorobenzene	ND	ug/kg	250				
1,4-Dichlorobenzene	ND	ug/kg	250				
Methyl tert butyl ether	ND	ug/kg	100				
p/m-Xylene	ND	ug/kg	100				
o-Xylene	ND	ug/kg	100				
cis-1,2-Dichloroethene	ND	ug/kg	50.				
Dibromomethane	ND	ug/kg	500				
1,2,3-Trichloropropane	ND	ug/kg	500				
Styrene	ND	ug/kg	100				
Dichlorodifluoromethane	ND	ug/kg	500				
Acetone	ND	ug/kg	500				
Carbon disulfide	ND	ug/kg	500				
2-Butanone	ND	ug/kg	500				
4-Methyl-2-pentanone	ND	ug/kg	500				
2-Hexanone	ND	ug/kg	500				
Bromochloromethane	ND	ug/kg	250				
Tetrahydrofuran	ND	ug/kg	1000				
2,2-Dichloropropane	ND	ug/kg	250				
1,2-Dibromoethane	ND	ug/kg	200				
1,3-Dichloropropane	ND	ug/kg	250				
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.				
Bromobenzene	ND	ug/kg	250				
n-Butylbenzene	ND	ug/kg	50.				
sec-Butylbenzene	ND	ug/kg	50.				
tert-Butylbenzene	ND	ug/kg	250				
o-Chlorotoluene	ND	ug/kg	250				
p-Chlorotoluene	ND	ug/kg	250				
1,2-Dibromo-3-chloropropane	ND	ug/kg	250				
Hexachlorobutadiene	ND	ug/kg	250				
Isopropylbenzene	ND	ug/kg	50.				
p-Isopropyltoluene	ND	ug/kg	50.				
Naphthalene	ND	ug/kg	250				
n-Propylbenzene	ND	ug/kg	50.				
1,2,3-Trichlorobenzene	ND	ug/kg	250				
1,2,4-Trichlorobenzene	ND	ug/kg	250				
1,3,5-Trimethylbenzene	ND	ug/kg	250				
1,2,4-Trimethylbenzene	ND	ug/kg	250				
Ethyl ether	ND	ug/kg	250				
Isopropyl Ether	ND	ug/kg	200				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200				
Tertiary-Amyl Methyl Ether	ND	ug/kg	200				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 05,12 (WG236414-6)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0418 14:54 PD	
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	98.0	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	104	%	70-130			
Dibromofluoromethane	96.0	%	70-130			
Blank Analysis for sample(s) 14 (WG236583-3)						
Volatile Organics by MCP 8260B/5035-High				60 8260B	0419 10:11 RY	
Methylene chloride	ND	ug/kg	500			
1,1-Dichloroethane	ND	ug/kg	75.			
Chloroform	ND	ug/kg	75.			
Carbon tetrachloride	ND	ug/kg	50.			
1,2-Dichloropropane	ND	ug/kg	180			
Dibromochloromethane	ND	ug/kg	50.			
1,1,2-Trichloroethane	ND	ug/kg	75.			
Tetrachloroethene	ND	ug/kg	50.			
Chlorobenzene	ND	ug/kg	50.			
Trichlorofluoromethane	ND	ug/kg	250			
1,2-Dichloroethane	ND	ug/kg	50.			
1,1,1-Trichloroethane	ND	ug/kg	50.			
Bromodichloromethane	ND	ug/kg	50.			
trans-1,3-Dichloropropene	ND	ug/kg	50.			
cis-1,3-Dichloropropene	ND	ug/kg	50.			
1,1-Dichloropropene	ND	ug/kg	250			
Bromoform	ND	ug/kg	200			
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.			
Benzene	ND	ug/kg	50.			
Toluene	ND	ug/kg	75.			
Ethylbenzene	ND	ug/kg	50.			
Chloromethane	ND	ug/kg	250			
Bromomethane	ND	ug/kg	100			
Vinyl chloride	ND	ug/kg	100			
Chloroethane	ND	ug/kg	100			
1,1-Dichloroethene	ND	ug/kg	50.			
trans-1,2-Dichloroethene	ND	ug/kg	75.			
Trichloroethene	ND	ug/kg	50.			
1,2-Dichlorobenzene	ND	ug/kg	250			
1,3-Dichlorobenzene	ND	ug/kg	250			
1,4-Dichlorobenzene	ND	ug/kg	250			
Methyl tert butyl ether	ND	ug/kg	100			
p/m-Xylene	ND	ug/kg	100			
o-Xylene	ND	ug/kg	100			
cis-1,2-Dichloroethene	ND	ug/kg	50.			
Dibromomethane	ND	ug/kg	500			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605331

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 14 (WG236583-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0419 10:11 RY	
1,2,3-Trichloropropane	ND	ug/kg	500			
Styrene	ND	ug/kg	100			
Dichlorodifluoromethane	ND	ug/kg	500			
Acetone	ND	ug/kg	500			
Carbon disulfide	ND	ug/kg	500			
2-Butanone	ND	ug/kg	500			
4-Methyl-2-pentanone	ND	ug/kg	500			
2-Hexanone	ND	ug/kg	500			
Bromochloromethane	ND	ug/kg	250			
Tetrahydrofuran	ND	ug/kg	1000			
2,2-Dichloropropane	ND	ug/kg	250			
1,2-Dibromoethane	ND	ug/kg	200			
1,3-Dichloropropane	ND	ug/kg	250			
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.			
Bromobenzene	ND	ug/kg	250			
n-Butylbenzene	ND	ug/kg	50.			
sec-Butylbenzene	ND	ug/kg	50.			
tert-Butylbenzene	ND	ug/kg	250			
o-Chlorotoluene	ND	ug/kg	250			
p-Chlorotoluene	ND	ug/kg	250			
1,2-Dibromo-3-chloropropane	ND	ug/kg	250			
Hexachlorobutadiene	ND	ug/kg	250			
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	106	%	70-130			
Toluene-d8	100	%	70-130			
4-Bromofluorobenzene	104	%	70-130			
Dibromofluoromethane	94.0	%	70-130			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0605331

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0605331-01A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-01B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-01C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-01D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-02A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-02B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-02C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-02D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-03A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-03B	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-03C	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-03D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	TS
L0605331-04A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-04B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-04C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-04D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-05A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-05B	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-05C	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-05D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	TS
L0605331-06A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-06B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-06C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-06D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-07A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-07B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-07C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-07D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-08A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-08B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-08C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-08D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-09A	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260LW-04
L0605331-10A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	MCP-8260LW-04
L0605331-10B	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260LW-04
L0605331-10C	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260LW-04
L0605331-10D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	TS
L0605331-11A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-11B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-11C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-11D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0605331

Continued

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0605331-12A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-12B	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-12C	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-12D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	TS
L0605331-13A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-13B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-13C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-13D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-14A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-14B	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-14C	Vial water preserved	A	N/A	1.0 C	Y	Absent	MCP-8260H-04
L0605331-14D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	TS
L0605331-15A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-15B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-15C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-15D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-16A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-16B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-16C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-16D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-17A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-17B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-17C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-17D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-18A	Vial MeOH preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-18B	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-18C	Vial water preserved	A	N/A	1.0 C	Y	Absent	HOLD
L0605331-18D	Plastic 2oz unpreserved for TS	A	N/A	1.0 C	Y	Absent	HOLD

Container Comments

Container ID Comments



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

RAYNHAM, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 2 OF 2

Project Information

Project Name: Raytheon Weyland

Project Location: Weyland, MA

Project #: 42925

Project Manager: Jeremy Picard

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved)

Date Due: 4/19/00 Time: 4:20 hr

☐ Those samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

O = water preserved

Date Rec'd in Lab: 4/14/00

ALPHA Job #: 10005331

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADDEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

MA / MCP

Criteria S-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS
8260 Low
8260 High
Total Solids

SAMPLE HANDLING

☐ Filtration

☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

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ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: ERM-New England

Laboratory Job Number: L0605526

Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Date Received: 19-APR-2006

Attn: Jeremy Picard

Date Reported: 21-APR-2006

Project Number: 42925

Delivery Method: Alpha

Site: RAYTHEON WAYLAND

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

Any answers of NO to the above questions are addressed in the case narrative.

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 report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0605526

Date Reported: 21-APR-2006

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0605526-01	B-531E-15-20-01	WAYLAND, MA
L0605526-02	B-530C-10-15-01	WAYLAND, MA
L0605526-03	B-531F-15-20-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0605526

MCP Related Narratives

Volatile Organics

In reference to question E:

The LCS/LCSD % recoveries for Acetone are above the acceptance criteria for the method.

The LCS/LCSD % recoveries for Dichlorodifluoromethane are below the acceptance criteria for the method.

These are both difficult analytes.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605526-01	Date Collected: 14-APR-2006 09:00
B-531E-15-20-01	Date Received : 19-APR-2006
Sample Matrix: SOIL	Date Reported : 21-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0420 13:03 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0421 12:07 RY
Methylene chloride	ND	ug/kg	890				
1,1-Dichloroethane	ND	ug/kg	130				
Chloroform	ND	ug/kg	130				
Carbon tetrachloride	ND	ug/kg	89.				
1,2-Dichloropropane	ND	ug/kg	310				
Dibromochloromethane	ND	ug/kg	89.				
1,1,2-Trichloroethane	ND	ug/kg	130				
Tetrachloroethene	100	ug/kg	89				
Chlorobenzene	ND	ug/kg	89.				
Trichlorofluoromethane	ND	ug/kg	440				
1,2-Dichloroethane	ND	ug/kg	89.				
1,1,1-Trichloroethane	ND	ug/kg	89.				
Bromodichloromethane	ND	ug/kg	89.				
trans-1,3-Dichloropropene	ND	ug/kg	89.				
cis-1,3-Dichloropropene	ND	ug/kg	89.				
1,1-Dichloropropene	ND	ug/kg	440				
Bromoform	ND	ug/kg	360				
1,1,2,2-Tetrachloroethane	ND	ug/kg	89.				
Benzene	ND	ug/kg	89.				
Toluene	ND	ug/kg	130				
Ethylbenzene	ND	ug/kg	89.				
Chloromethane	ND	ug/kg	440				
Bromomethane	ND	ug/kg	180				
Vinyl chloride	ND	ug/kg	180				
Chloroethane	ND	ug/kg	180				
1,1-Dichloroethene	ND	ug/kg	89.				
trans-1,2-Dichloroethene	ND	ug/kg	130				
Trichloroethene	780	ug/kg	89				
1,2-Dichlorobenzene	ND	ug/kg	440				
1,3-Dichlorobenzene	ND	ug/kg	440				
1,4-Dichlorobenzene	ND	ug/kg	440				
Methyl tert butyl ether	ND	ug/kg	180				
p/m-Xylene	ND	ug/kg	180				
o-Xylene	ND	ug/kg	180				
cis-1,2-Dichloroethene	ND	ug/kg	89.				
Dibromomethane	ND	ug/kg	890				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605526-01
B-531E-15-20-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0421 12:07 RY	
1,2,3-Trichloropropane	ND	ug/kg	890			
Styrene	ND	ug/kg	180			
Dichlorodifluoromethane	ND	ug/kg	890			
Acetone	ND	ug/kg	890			
Carbon disulfide	ND	ug/kg	890			
2-Butanone	ND	ug/kg	890			
4-Methyl-2-pentanone	ND	ug/kg	890			
2-Hexanone	ND	ug/kg	890			
Bromochloromethane	ND	ug/kg	440			
Tetrahydrofuran	ND	ug/kg	1800			
2,2-Dichloropropane	ND	ug/kg	440			
1,2-Dibromoethane	ND	ug/kg	360			
1,3-Dichloropropane	ND	ug/kg	440			
1,1,1,2-Tetrachloroethane	ND	ug/kg	89.			
Bromobenzene	ND	ug/kg	440			
n-Butylbenzene	ND	ug/kg	89.			
sec-Butylbenzene	ND	ug/kg	89.			
tert-Butylbenzene	ND	ug/kg	440			
o-Chlorotoluene	ND	ug/kg	440			
p-Chlorotoluene	ND	ug/kg	440			
1,2-Dibromo-3-chloropropane	ND	ug/kg	440			
Hexachlorobutadiene	ND	ug/kg	440			
Isopropylbenzene	ND	ug/kg	89.			
p-Isopropyltoluene	ND	ug/kg	89.			
Naphthalene	ND	ug/kg	440			
n-Propylbenzene	ND	ug/kg	89.			
1,2,3-Trichlorobenzene	ND	ug/kg	440			
1,2,4-Trichlorobenzene	ND	ug/kg	440			
1,3,5-Trimethylbenzene	ND	ug/kg	440			
1,2,4-Trimethylbenzene	ND	ug/kg	440			
Ethyl ether	ND	ug/kg	440			
Isopropyl Ether	ND	ug/kg	360			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	360			
Tertiary-Amyl Methyl Ether	ND	ug/kg	360			
1,4-Dioxane	ND	ug/kg	44000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	101	%	70-130			
Toluene-d8	103	%	70-130			
4-Bromofluorobenzene	105	%	70-130			
Dibromofluoromethane	94.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605526-02	Date Collected: 14-APR-2006 12:35
B-530C-10-15-01	Date Received : 19-APR-2006
Sample Matrix: SOIL	Date Reported : 21-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	76	%	0.10	30 2540G			0420 13:03 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0421 12:42 RY
Methylene chloride	ND	ug/kg	750				
1,1-Dichloroethane	ND	ug/kg	110				
Chloroform	ND	ug/kg	110				
Carbon tetrachloride	ND	ug/kg	75.				
1,2-Dichloropropane	ND	ug/kg	260				
Dibromochloromethane	ND	ug/kg	75.				
1,1,2-Trichloroethane	ND	ug/kg	110				
Tetrachloroethene	94	ug/kg	75				
Chlorobenzene	ND	ug/kg	75.				
Trichlorofluoromethane	ND	ug/kg	380				
1,2-Dichloroethane	ND	ug/kg	75.				
1,1,1-Trichloroethane	ND	ug/kg	75.				
Bromodichloromethane	ND	ug/kg	75.				
trans-1,3-Dichloropropene	ND	ug/kg	75.				
cis-1,3-Dichloropropene	ND	ug/kg	75.				
1,1-Dichloropropene	ND	ug/kg	380				
Bromoform	ND	ug/kg	300				
1,1,2,2-Tetrachloroethane	ND	ug/kg	75.				
Benzene	ND	ug/kg	75.				
Toluene	ND	ug/kg	110				
Ethylbenzene	ND	ug/kg	75.				
Chloromethane	ND	ug/kg	380				
Bromomethane	ND	ug/kg	150				
Vinyl chloride	ND	ug/kg	150				
Chloroethane	ND	ug/kg	150				
1,1-Dichloroethene	ND	ug/kg	75.				
trans-1,2-Dichloroethene	ND	ug/kg	110				
Trichloroethene	460	ug/kg	75				
1,2-Dichlorobenzene	ND	ug/kg	380				
1,3-Dichlorobenzene	ND	ug/kg	380				
1,4-Dichlorobenzene	ND	ug/kg	380				
Methyl tert butyl ether	ND	ug/kg	150				
p/m-Xylene	ND	ug/kg	150				
o-Xylene	ND	ug/kg	150				
cis-1,2-Dichloroethene	86	ug/kg	75				
Dibromomethane	ND	ug/kg	750				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605526-02
B-530C-10-15-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0421 12:42 RY	
1,2,3-Trichloropropane	ND	ug/kg	750			
Styrene	ND	ug/kg	150			
Dichlorodifluoromethane	ND	ug/kg	750			
Acetone	ND	ug/kg	750			
Carbon disulfide	ND	ug/kg	750			
2-Butanone	ND	ug/kg	750			
4-Methyl-2-pentanone	ND	ug/kg	750			
2-Hexanone	ND	ug/kg	750			
Bromochloromethane	ND	ug/kg	380			
Tetrahydrofuran	ND	ug/kg	1500			
2,2-Dichloropropane	ND	ug/kg	380			
1,2-Dibromoethane	ND	ug/kg	300			
1,3-Dichloropropane	ND	ug/kg	380			
1,1,1,2-Tetrachloroethane	ND	ug/kg	75.			
Bromobenzene	ND	ug/kg	380			
n-Butylbenzene	ND	ug/kg	75.			
sec-Butylbenzene	ND	ug/kg	75.			
tert-Butylbenzene	ND	ug/kg	380			
o-Chlorotoluene	ND	ug/kg	380			
p-Chlorotoluene	ND	ug/kg	380			
1,2-Dibromo-3-chloropropane	ND	ug/kg	380			
Hexachlorobutadiene	ND	ug/kg	380			
Isopropylbenzene	ND	ug/kg	75.			
p-Isopropyltoluene	ND	ug/kg	75.			
Naphthalene	ND	ug/kg	380			
n-Propylbenzene	ND	ug/kg	75.			
1,2,3-Trichlorobenzene	ND	ug/kg	380			
1,2,4-Trichlorobenzene	ND	ug/kg	380			
1,3,5-Trimethylbenzene	ND	ug/kg	380			
1,2,4-Trimethylbenzene	ND	ug/kg	380			
Ethyl ether	ND	ug/kg	380			
Isopropyl Ether	ND	ug/kg	300			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	300			
Tertiary-Amyl Methyl Ether	ND	ug/kg	300			
1,4-Dioxane	ND	ug/kg	38000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	101	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	91.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0605526-03	Date Collected: 14-APR-2006 13:05
B-531F-15-20-01	Date Received : 19-APR-2006
Sample Matrix: SOIL	Date Reported : 21-APR-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,3-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	75	%	0.10	30 2540G			0420 13:03 PD
Volatile Organics by MCP 8260B/5035-High				60 8260B			0421 13:18 RY
Methylene chloride	ND	ug/kg	1200				
1,1-Dichloroethane	ND	ug/kg	180				
Chloroform	ND	ug/kg	180				
Carbon tetrachloride	ND	ug/kg	120				
1,2-Dichloropropane	ND	ug/kg	430				
Dibromochloromethane	ND	ug/kg	120				
1,1,2-Trichloroethane	ND	ug/kg	180				
Tetrachloroethene	140	ug/kg	120				
Chlorobenzene	ND	ug/kg	120				
Trichlorofluoromethane	ND	ug/kg	620				
1,2-Dichloroethane	ND	ug/kg	120				
1,1,1-Trichloroethane	ND	ug/kg	120				
Bromodichloromethane	ND	ug/kg	120				
trans-1,3-Dichloropropene	ND	ug/kg	120				
cis-1,3-Dichloropropene	ND	ug/kg	120				
1,1-Dichloropropene	ND	ug/kg	620				
Bromoform	ND	ug/kg	490				
1,1,2,2-Tetrachloroethane	ND	ug/kg	120				
Benzene	ND	ug/kg	120				
Toluene	ND	ug/kg	180				
Ethylbenzene	ND	ug/kg	120				
Chloromethane	ND	ug/kg	620				
Bromomethane	ND	ug/kg	250				
Vinyl chloride	ND	ug/kg	250				
Chloroethane	ND	ug/kg	250				
1,1-Dichloroethene	ND	ug/kg	120				
trans-1,2-Dichloroethene	ND	ug/kg	180				
Trichloroethene	720	ug/kg	120				
1,2-Dichlorobenzene	ND	ug/kg	620				
1,3-Dichlorobenzene	ND	ug/kg	620				
1,4-Dichlorobenzene	ND	ug/kg	620				
Methyl tert butyl ether	ND	ug/kg	250				
p/m-Xylene	ND	ug/kg	250				
o-Xylene	ND	ug/kg	250				
cis-1,2-Dichloroethene	130	ug/kg	120				
Dibromomethane	ND	ug/kg	1200				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0605526-03
B-531F-15-20-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0421 13:18 RY	
1,2,3-Trichloropropane	ND	ug/kg	1200			
Styrene	ND	ug/kg	250			
Dichlorodifluoromethane	ND	ug/kg	1200			
Acetone	ND	ug/kg	1200			
Carbon disulfide	ND	ug/kg	1200			
2-Butanone	ND	ug/kg	1200			
4-Methyl-2-pentanone	ND	ug/kg	1200			
2-Hexanone	ND	ug/kg	1200			
Bromochloromethane	ND	ug/kg	620			
Tetrahydrofuran	ND	ug/kg	2500			
2,2-Dichloropropane	ND	ug/kg	620			
1,2-Dibromoethane	ND	ug/kg	490			
1,3-Dichloropropane	ND	ug/kg	620			
1,1,1,2-Tetrachloroethane	ND	ug/kg	120			
Bromobenzene	ND	ug/kg	620			
n-Butylbenzene	ND	ug/kg	120			
sec-Butylbenzene	ND	ug/kg	120			
tert-Butylbenzene	ND	ug/kg	620			
o-Chlorotoluene	ND	ug/kg	620			
p-Chlorotoluene	ND	ug/kg	620			
1,2-Dibromo-3-chloropropane	ND	ug/kg	620			
Hexachlorobutadiene	ND	ug/kg	620			
Isopropylbenzene	ND	ug/kg	120			
p-Isopropyltoluene	ND	ug/kg	120			
Naphthalene	ND	ug/kg	620			
n-Propylbenzene	ND	ug/kg	120			
1,2,3-Trichlorobenzene	ND	ug/kg	620			
1,2,4-Trichlorobenzene	ND	ug/kg	620			
1,3,5-Trimethylbenzene	ND	ug/kg	620			
1,2,4-Trimethylbenzene	ND	ug/kg	620			
Ethyl ether	ND	ug/kg	620			
Isopropyl Ether	ND	ug/kg	490			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	490			
Tertiary-Amyl Methyl Ether	ND	ug/kg	490			
1,4-Dioxane	ND	ug/kg	62000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	104	%	70-130			
4-Bromofluorobenzene	106	%	70-130			
Dibromofluoromethane	90.0	%	70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0605526

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-03 (L0605490-01, WG236709-1)					
Solids, Total	92	93	%	1	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605526

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 01-03 (WG236900-1, WG236900-2)					
Methylene chloride	76	76	0	25	70-130
1,1-Dichloroethane	105	100	5	25	70-130
Chloroform	96	93	3	25	70-130
Carbon tetrachloride	89	85	5	25	70-130
1,2-Dichloropropane	108	105	3	25	70-130
Dibromochloromethane	94	93	1	25	70-130
1,1,2-Trichloroethane	113	109	4	25	70-130
Tetrachloroethene	103	96	7	25	70-130
Chlorobenzene	102	98	4	25	70-130
Trichlorofluoromethane	104	98	6	25	70-130
1,2-Dichloroethane	111	109	2	25	70-130
1,1,1-Trichloroethane	93	91	2	25	70-130
Bromodichloromethane	96	94	2	25	70-130
trans-1,3-Dichloropropene	80	79	1	25	70-130
cis-1,3-Dichloropropene	83	82	1	25	70-130
1,1-Dichloropropene	100	95	5	25	70-130
Bromoform	102	100	2	50	70-130
1,1,2,2-Tetrachloroethane	104	104	0	25	70-130
Benzene	101	97	4	25	70-130
Toluene	103	100	3	25	70-130
Ethylbenzene	108	102	6	25	70-130
Chloromethane	92	90	2	50	70-130
Bromomethane	103	99	4	50	70-130
Vinyl chloride	94	90	4	25	70-130
Chloroethane	90	88	2	25	70-130
1,1-Dichloroethene	93	90	3	25	70-130
trans-1,2-Dichloroethene	94	91	3	25	70-130
Trichloroethene	98	94	4	25	70-130
1,2-Dichlorobenzene	98	95	3	25	70-130
1,3-Dichlorobenzene	103	98	5	25	70-130
1,4-Dichlorobenzene	101	97	4	25	70-130
Methyl tert butyl ether	94	94	0	25	70-130
p/m-Xylene	112	105	6	25	70-130
o-Xylene	95	89	7	25	70-130
cis-1,2-Dichloroethene	100	96	4	25	70-130
Dibromomethane	102	101	1	25	70-130
1,2,3-Trichloropropane	115	113	2	25	70-130
Styrene	96	90	6	25	70-130
Dichlorodifluoromethane	59	56	5	50	70-130
Acetone	144	153	6	50	70-130
Carbon disulfide	99	94	5	25	70-130
2-Butanone	124	120	3	50	70-130
4-Methyl-2-pentanone	98	100	2	50	70-130
2-Hexanone	127	127	0	50	70-130
Bromochloromethane	96	95	1	25	70-130
Tetrahydrofuran	122	128	5	25	70-130
2,2-Dichloropropane	91	89	2	50	70-130
1,2-Dibromoethane	95	94	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0605526

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B/5035-High for sample(s) 01-03 (WG236900-1, WG236900-2)					
1,3-Dichloropropane	102	102	0	25	70-130
1,1,1,2-Tetrachloroethane	102	100	2	25	70-130
Bromobenzene	100	97	3	25	70-130
n-Butylbenzene	113	104	8	25	70-130
sec-Butylbenzene	108	102	6	25	70-130
tert-Butylbenzene	99	96	3	25	70-130
o-Chlorotoluene	111	105	6	25	70-130
p-Chlorotoluene	107	101	6	25	70-130
1,2-Dibromo-3-chloropropane	102	105	3	50	70-130
Hexachlorobutadiene	91	88	3	25	70-130
Isopropylbenzene	108	100	8	25	70-130
p-Isopropyltoluene	98	92	6	25	70-130
Naphthalene	95	97	2	25	70-130
n-Propylbenzene	108	102	6	25	70-130
1,2,3-Trichlorobenzene	94	92	2	25	70-130
1,2,4-Trichlorobenzene	95	92	3	25	70-130
1,3,5-Trimethylbenzene	104	99	5	25	70-130
1,2,4-Trimethylbenzene	108	102	6	25	70-130
Ethyl ether	111	108	3	25	70-130
Isopropyl Ether	116	113	3	25	70-130
Ethyl-Tert-Butyl-Ether	92	90	2	25	70-130
Tertiary-Amyl Methyl Ether	86	85	1	25	70-130
1,4-Dioxane	99	102	3	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	107	106	1		70-130
Toluene-d8	104	103	1		70-130
4-Bromofluorobenzene	99	100	1		70-130
Dibromofluoromethane	98	99	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605526

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-03 (WG236900-3)							
Volatile Organics by MCP 8260B/5035-High				60 8260B		0421 10:21 RY	
Methylene chloride	ND	ug/kg	500				
1,1-Dichloroethane	ND	ug/kg	75.				
Chloroform	ND	ug/kg	75.				
Carbon tetrachloride	ND	ug/kg	50.				
1,2-Dichloropropane	ND	ug/kg	180				
Dibromochloromethane	ND	ug/kg	50.				
1,1,2-Trichloroethane	ND	ug/kg	75.				
Tetrachloroethene	ND	ug/kg	50.				
Chlorobenzene	ND	ug/kg	50.				
Trichlorofluoromethane	ND	ug/kg	250				
1,2-Dichloroethane	ND	ug/kg	50.				
1,1,1-Trichloroethane	ND	ug/kg	50.				
Bromodichloromethane	ND	ug/kg	50.				
trans-1,3-Dichloropropene	ND	ug/kg	50.				
cis-1,3-Dichloropropene	ND	ug/kg	50.				
1,1-Dichloropropene	ND	ug/kg	250				
Bromoform	ND	ug/kg	200				
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.				
Benzene	ND	ug/kg	50.				
Toluene	ND	ug/kg	75.				
Ethylbenzene	ND	ug/kg	50.				
Chloromethane	ND	ug/kg	250				
Bromomethane	ND	ug/kg	100				
Vinyl chloride	ND	ug/kg	100				
Chloroethane	ND	ug/kg	100				
1,1-Dichloroethene	ND	ug/kg	50.				
trans-1,2-Dichloroethene	ND	ug/kg	75.				
Trichloroethene	ND	ug/kg	50.				
1,2-Dichlorobenzene	ND	ug/kg	250				
1,3-Dichlorobenzene	ND	ug/kg	250				
1,4-Dichlorobenzene	ND	ug/kg	250				
Methyl tert butyl ether	ND	ug/kg	100				
p/m-Xylene	ND	ug/kg	100				
o-Xylene	ND	ug/kg	100				
cis-1,2-Dichloroethene	ND	ug/kg	50.				
Dibromomethane	ND	ug/kg	500				
1,2,3-Trichloropropane	ND	ug/kg	500				
Styrene	ND	ug/kg	100				
Dichlorodifluoromethane	ND	ug/kg	500				
Acetone	ND	ug/kg	500				
Carbon disulfide	ND	ug/kg	500				
2-Butanone	ND	ug/kg	500				
4-Methyl-2-pentanone	ND	ug/kg	500				
2-Hexanone	ND	ug/kg	500				
Bromochloromethane	ND	ug/kg	250				
Tetrahydrofuran	ND	ug/kg	1000				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0605526

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-03 (WG236900-3)						
Volatile Organics by MCP 8260B/5035-High cont'd				60 8260B	0421 10:21 RY	
2,2-Dichloropropane	ND	ug/kg	250			
1,2-Dibromoethane	ND	ug/kg	200			
1,3-Dichloropropane	ND	ug/kg	250			
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.			
Bromobenzene	ND	ug/kg	250			
n-Butylbenzene	ND	ug/kg	50.			
sec-Butylbenzene	ND	ug/kg	50.			
tert-Butylbenzene	ND	ug/kg	250			
o-Chlorotoluene	ND	ug/kg	250			
p-Chlorotoluene	ND	ug/kg	250			
1,2-Dibromo-3-chloropropane	ND	ug/kg	250			
Hexachlorobutadiene	ND	ug/kg	250			
Isopropylbenzene	ND	ug/kg	50.			
p-Isopropyltoluene	ND	ug/kg	50.			
Naphthalene	ND	ug/kg	250			
n-Propylbenzene	ND	ug/kg	50.			
1,2,3-Trichlorobenzene	ND	ug/kg	250			
1,2,4-Trichlorobenzene	ND	ug/kg	250			
1,3,5-Trimethylbenzene	ND	ug/kg	250			
1,2,4-Trimethylbenzene	ND	ug/kg	250			
Ethyl ether	ND	ug/kg	250			
Isopropyl Ether	ND	ug/kg	200			
Ethyl-Tert-Butyl-Ether	ND	ug/kg	200			
Tertiary-Amyl Methyl Ether	ND	ug/kg	200			
1,4-Dioxane	ND	ug/kg	25000			
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	101	%		70-130		
Toluene-d8	105	%		70-130		
4-Bromofluorobenzene	105	%		70-130		
Dibromofluoromethane	92.0	%		70-130		

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0605526

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0605526-01A	Vial MeOH preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-01B	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-01C	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-01D	Plastic 2oz unpreserved for TS	A	NA	1.0 C	Y	Absent	TS
L0605526-02A	Vial MeOH preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-02B	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-02C	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-02D	Plastic 2oz unpreserved for TS	A	NA	1.0 C	Y	Absent	TS
L0605526-03A	Vial MeOH preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-03B	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-03C	Vial water preserved	A	NA	1.0 C	Y	Absent	MCP-8260H-04
L0605526-03D	Plastic 2oz unpreserved for TS	A	NA	1.0 C	Y	Absent	TS

Container Comments

Container ID	Comments
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WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

RAYNHAM, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Project Name: Raytheon Wayland

Project Location: Wayland, MA

Project #: 42925

Project Manager: Jeremy Ricard

ALPHA Quote #:

Turn-Around Time

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

☐ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 4/26/06 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Relay of 10605331-6, -17, -18

Date Rec'd In Lab: 4/19/06

ALPHA Job #: 10605526

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

MA/MCP

S-1

MAMCPRPRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

8260 Low
8260 High
Total Solids

SAMPLE HANDLING

☐ Filtration
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # OF SAMPLES

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix

Sampler's Initials

10605526-01 B-531E-15-20-01 4/14/06 900 S CR

-02 B-530C-10-15-01 4/14/06 1235 S CR

-03 B-531F-15-20-01 4/14/06 1305 S CR

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MAMCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type
Preservative

V V P
O F A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

