Steven Scharf - Preliminary Lab Results TT-102D2_2.pdf - Adobe Acrobat Standard

From: Steven Scharf
To: scarey@massapequawater.com
Date: 9/3/2013 1:24 PM
Subject: Preliminary Lab Results TT-102D2_2.pdf - Adobe Acrobat Standard
CC: Harrington, Jim; Karpinski, Steven; MSnyder@aquaamerica.com; Parish, ...
Attachments: Preliminary Lab Results TT-102D2_2.pdf

Stan,

Attached please find a .PDF copy of the preliminary results for the re-sampling of MW TT-102-D2. At the direction of the NYSDEC, Resolution Consultants Inc., on behalf of the Department of the Navy-NAVFAC:

1. Redeveloped MW TT-102-D2 to ensure that the TCE detected at 0.5 ug/L was not an artifact of installation;

2. Then allowed the monitoring well to Acquiesce;

3. checked that parameters such as turbidity, temperature and pH stabilized; and then

3. Re-sampled the well using the USEPA approved low flow sampling technique method also used by ARCADIS.

The NAVFAC results are consistent with the MWD split sample of non-detect for site related contamination in this resampling effort. Should the MWD require the full data package, please contact Ms. Lora Fly at NAVFAC directly. If you have any questions, you may contact Mr. John Swartwout or myself at 518-402-9620.

Electronic Documentation Information
Grumman Aerospace
130003A-OU2-OMM
Naval Weapons Industrial Reserve Plant Site
130003B-OU2-OMM
FOILable

Sincerely,

Steven Scharf

Steven M. Scharf, P.E.
Project Engineer
New York State Department of
Environmental Conservation
Division of Environmental Remediation
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Sample Summary

Katahdin Analytical Services

Job No: MC23413

RCNYCR: NWIRP Bethpage, NY
Project No: 60265526

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23413-1	08/08/13	12:00	MZ	08/09/13	AQ	Ground Water	TT102D2-GW-080813
MC23413-2	03/15/13	14:45	MZ	08/09/13	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Katahdin Analytical Services	**Job No**	MC23413
Site:	RCNYCR: NWIRP Bethpage, NY	**Report Date**	8/30/2013 10:43:24 AM

1 Sample(s) and 1 Trip Blank(s) were collected on between 03/15/2013 and 08/08/2013 and were received at Accutest on 08/09/2013 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of MC23413. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method EPA 524.2 REV 4.1

Matrix AQ **Batch ID:** MST1082

- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23507-1DUP were used as the QC samples indicated.
- MST1082-BSD for 1,4-Dioxane: Outside control limits. Associated samples are non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23413).

Summary of Hits

Job Number: MC23413
Account: Katahdin Analytical Services
Project: RCNYCR: NWIRP Bethpage, NY
Collected: 03/15/13 thru 08/08/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC23413-1	**TT102D2-GW-080813**					
No hits reported in this sample.						
MC23413-2	**TRIP BLANK**					
Methylene chloride		1.2	0.50	0.25	ug/l	EPA 524.2 REV 4.1

New England ACCUTEST LABORATORIES

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: TT102D2-GW-080813
Lab Sample ID: MC23413-1
Matrix: AQ - Ground Water
Method: EPA 524.2 REV 4.1
Project: RCNYCR: NWIRP Bethpage, NY

Date Sampled: 08/08/13
Date Received: 08/09/13
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T31081.D	1	08/15/13	JM	n/a	n/a	MST1082
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	0.50 U	5.0	0.50	ug/l	
78-93-3	2-Butanone	0.25 U	0.50	0.25	ug/l	
71-43-2	Benzene	0.25 U	0.50	0.25	ug/l	
108-86-1	Bromobenzene	0.25 U	0.50	0.25	ug/l	
74-97-5	Bromochloromethane	0.25 U	0.50	0.25	ug/l	
75-27-4	Bromodichloromethane	0.25 U	0.50	0.25	ug/l	
75-25-2	Bromoform	0.25 U	0.50	0.25	ug/l	
74-83-9	Bromomethane	0.50 U	0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	0.25 U	0.50	0.25	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	0.50	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.25 U	0.50	0.25	ug/l	
75-15-0	Carbon disulfide	0.25 U	0.50	0.25	ug/l	
108-90-7	Chlorobenzene	0.25 U	0.50	0.25	ug/l	
75-00-3	Chloroethane	0.50 U	0.50	0.50	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	ug/l	
74-87-3	Chloromethane	0.50 U	0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	0.50	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.25 U	0.50	0.25	ug/l	
56-23-5	Carbon tetrachloride	0.25 U	0.50	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	0.50	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	ug/l	
563-58-6	1,1-Dichloropropene	0.25 U	0.50	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.50 U	0.50	0.50	ug/l	
106-93-4	1,2-Dibromoethane	0.25 U	0.50	0.25	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	0.50	0.25	ug/l	
142-28-9	1,3-Dichloropropane	0.25 U	0.50	0.25	ug/l	
594-20-7	2,2-Dichloropropane	0.25 U	0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	0.25 U	0.50	0.25	ug/l	
74-95-3	Dibromomethane	0.25 U	0.50	0.25	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.25 U	0.50	0.25	ug/l	

U = Not detected LOD - Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT102D2-GW-080813
Lab Sample ID: MC23413-1
Matrix: AQ - Ground Water
Method: EPA 524.2 REV 4.1
Project: RCNYCR: NWIRP Bethpage, NY

Date Sampled: 08/08/13
Date Received: 08/09/13
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	LOQ	LOD	Units	Q
541-73-1	m-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
95-50-1	o-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
106-46-7	p-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.25 U	0.50	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.25 U	0.50	0.25	ug/l	
123-91-1	1,4-Dioxane	25 U	25	25	ug/l	
100-41-4	Ethylbenzene	0.25 U	0.50	0.25	ug/l	
87-68-3	Hexachlorobutadiene	0.25 U	0.50	0.25	ug/l	
591-78-6	2-Hexanone	0.50 U	0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	0.25 U	0.50	0.25	ug/l	
99-87-6	p-Isopropyltoluene	0.25 U	0.50	0.25	ug/l	
75-09-2	Methylene chloride	0.25 U	0.50	0.25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	0.50	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone	0.50 U	0.50	0.50	ug/l	
91-20-3	Naphthalene	0.25 U	0.50	0.25	ug/l	
103-65-1	n-Propylbenzene	0.25 U	0.50	0.25	ug/l	
100-42-5	Styrene	0.25 U	0.50	0.25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.25 U	0.50	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.25 U	0.50	0.25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.25 U	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.25 U	0.50	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.25 U	0.50	0.25	ug/l	
96-18-4	1,2,3-Trichloropropane	0.25 U	0.50	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.25 U	0.50	0.25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.25 U	0.50	0.25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.25 U	0.50	0.25	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	ug/l	
108-88-3	Toluene	0.25 U	0.50	0.25	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	ug/l	
75-69-4	Trichlorofluoromethane	0.25 U	0.50	0.25	ug/l	
75-01-4	Vinyl chloride	0.25 U	0.50	0.25	ug/l	
	m,p-Xylene	0.50 U	0.50	0.50	ug/l	
95-47-6	o-Xylene	0.25 U	0.50	0.25	ug/l	
1330-20-7	Xylenes (total)	0.25 U	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

U = Not detected LOD - Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC23413-2	**Date Sampled:**	03/15/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/09/13
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	RCNYCR: NWIRP Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T31067.D	1	08/15/13	JM	n/a	n/a	MST1082
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	0.50 U	5.0	0.50	ug/l	
78-93-3	2-Butanone	0.25 U	0.50	0.25	ug/l	
71-43-2	Benzene	0.25 U	0.50	0.25	ug/l	
108-86-1	Bromobenzene	0.25 U	0.50	0.25	ug/l	
74-97-5	Bromochloromethane	0.25 U	0.50	0.25	ug/l	
75-27-4	Bromodichloromethane	0.25 U	0.50	0.25	ug/l	
75-25-2	Bromoform	0.25 U	0.50	0.25	ug/l	
74-83-9	Bromomethane	0.50 U	0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	0.25 U	0.50	0.25	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	0.50	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.25 U	0.50	0.25	ug/l	
75-15-0	Carbon disulfide	0.25 U	0.50	0.25	ug/l	
108-90-7	Chlorobenzene	0.25 U	0.50	0.25	ug/l	
75-00-3	Chloroethane	0.50 U	0.50	0.50	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	ug/l	
74-87-3	Chloromethane	0.50 U	0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	0.50	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.25 U	0.50	0.25	ug/l	
56-23-5	Carbon tetrachloride	0.25 U	0.50	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	0.50	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	ug/l	
563-58-6	1,1-Dichloropropene	0.25 U	0.50	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.50 U	0.50	0.50	ug/l	
106-93-4	1,2-Dibromoethane	0.25 U	0.50	0.25	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	0.50	0.25	ug/l	
142-28-9	1,3-Dichloropropane	0.25 U	0.50	0.25	ug/l	
594-20-7	2,2-Dichloropropane	0.25 U	0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	0.25 U	0.50	0.25	ug/l	
74-95-3	Dibromomethane	0.25 U	0.50	0.25	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.25 U	0.50	0.25	ug/l	

U = Not detected LOD - Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: MC23413-2
Matrix: AQ - Trip Blank Water
Method: EPA 524.2 REV 4.1
Project: RCNYCR: NWIRP Bethpage, NY

Date Sampled: 03/15/13
Date Received: 08/09/13
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	LOQ	LOD	Units	Q
541-73-1	m-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
95-50-1	o-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
106-46-7	p-Dichlorobenzene	0.25 U	0.50	0.25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.25 U	0.50	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.25 U	0.50	0.25	ug/l	
123-91-1	1,4-Dioxane	25 U	25	25	ug/l	
100-41-4	Ethylbenzene	0.25 U	0.50	0.25	ug/l	
87-68-3	Hexachlorobutadiene	0.25 U	0.50	0.25	ug/l	
591-78-6	2-Hexanone	0.50 U	0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	0.25 U	0.50	0.25	ug/l	
99-87-6	p-Isopropyltoluene	0.25 U	0.50	0.25	ug/l	
75-09-2	Methylene chloride	1.2	0.50	0.25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	0.50	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone	0.50 U	0.50	0.50	ug/l	
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100-42-5	Styrene	0.25 U	0.50	0.25	ug/l	
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71-55-6	1,1,1-Trichloroethane	0.25 U	0.50	0.25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.25 U	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.25 U	0.50	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.25 U	0.50	0.25	ug/l	
96-18-4	1,2,3-Trichloropropane	0.25 U	0.50	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.25 U	0.50	0.25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.25 U	0.50	0.25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.25 U	0.50	0.25	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	ug/l	
108-88-3	Toluene	0.25 U	0.50	0.25	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	ug/l	
75-69-4	Trichlorofluoromethane	0.25 U	0.50	0.25	ug/l	
75-01-4	Vinyl chloride	0.25 U	0.50	0.25	ug/l	
	m,p-Xylene	0.50 U	0.50	0.50	ug/l	
95-47-6	o-Xylene	0.25 U	0.50	0.25	ug/l	
1330-20-7	Xylenes (total)	0.25 U	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

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