Pelton, Jason M (DEC)

From: Wu, Ernie <Ernie.Wu@tetratech.com>
Sent: Wednesday, August 28, 2019 12:58 PM
To: Pelton, Jason M (DEC); Karpinski, Steven (HEALTH); Lovejoy, John (NASSAU); Stein, Carol; Garbarini.Doug@epa.gov; rlenz@oysterbay-ny.gov
Cc: Murray, Brian S CIV NAVFAC MIDLANT, IPTNORTH; Fly, Lora B CIV NAVFAC MIDLANT, IPTNE (lora.fly@navy.mil); Brayack, David; Francisco, Ben
Subject: Bethpage OU2 - Q2 2019 Form 1 Results (RE107D1, RE107D2, RE107D3, RE116D1, RE118D1, RE119D1, RE121D1, RE121D2, RE124D1, RE124D2, RE128D1, RE128D2)
Attachments: Form1s_RE107_128_118_121_119_124_116.pdf

All:

As per discussions between the Navy and NYSDEC, NYSDEC requested that the Navy submit the validated data as soon as the information is available.

Attached are the **remaining** Form 1 validated data for Second Quarter 2019 from the following wells:

- RE Monitoring Wells (RE107D1, RE107D2, RE107D3, RE116D1, RE118D1, RE119D1, RE121D1, RE121D2, RE124D1, RE124D2, RE128D1, RE128D2)

Form 1 data includes both VOCs and 1,4-dioxane results.
Samples were collected between 06/18/2019 and 06/21/2019.
REP062019MM1 was collected on RE121D2.

Ernie Wu|Project Manager|Environmental Scientist
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Pelton, Jason M (DEC)

From: Wu, Ernie <Ernie.Wu@tetratech.com>
Sent: Wednesday, August 28, 2019 12:50 PM
To: Pelton, Jason M (DEC); Karpinski, Steven (HEALTH); Lovejoy, John (NASSAU); Stein, Carol; Garbarini.Doug@epa.gov; rlenz@oysterbay-ny.gov
Cc: Murray, Brian S CIV NAVFAC MIDLANT, IPTNORTH; Fly, Lora B CIV NAVFAC MIDLANT, IPTNE (lora.fly@navy.mil); Brayack, David; Francisco, Ben
Subject: Bethpage OU2 - Q2 2019 Form 1 Results (BPOW 5-3, BPOW 5-7, RE109D1, RE109D2, RE109D3, RE129D1, RE129D2,TT102D and TT102D2)
Attachments: Form1s_BPOW_TT102.pdf; Form1s_RE129_RE109.pdf

All:

As per discussions between the Navy and NYSDEC, NYSDEC requested that the Navy submit the validated data as soon as the information is available.

Attached are the Form 1 validated data for Second Quarter 2019 from the following wells:

- Outpost well cluster BPOW 5 (BPOW 5-3 and BPOW 5-7)
- RE Monitoring Wells (RE109D1, RE109D2, RE109D3, RE129D1 and RE129D2)
- TT102 wells (TT102D and TT102D2)

Form 1 data includes both VOCs and 1,4-dioxane results.
Samples were collected between 06/14/2019 to 06/24/2019.
REP061919DC1 was collected on TT102D.

Form 1 data associated with the OU2 2Q 2019 routine sampling event (from rest of the RE Wells) will continue to be provided as the data are validated.

Ernie Wu|Project Manager|Environmental Scientist
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Report of Analysis

Client Sample ID:	TB062019DC1		
Lab Sample ID:	JC90468-1	**Date Sampled:**	06/20/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/21/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120087.D	1	07/01/19 11:26	BK	n/a	n/a	V1B5798
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	TB062019DC1		
Lab Sample ID:	JC90468-1	**Date Sampled:**	06/20/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/21/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	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	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.69	1.1	ug/l	J
1066-40-6	Silanol, trimethyl-	9.50	6.1	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	BPOW5-7		
Lab Sample ID:	JC90468-2	**Date Sampled:**	06/20/19
Matrix:	AQ - Ground Water	**Date Received:**	06/21/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120088.D	1	07/01/19 11:58	BK	n/a	n/a	V1B5798
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.27	ug/l	J
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	0.13	0.50	0.11	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	BPOW5-7		
Lab Sample ID:	JC90468-2	**Date Sampled:**	06/20/19
Matrix:	AQ - Ground Water	**Date Received:**	06/21/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	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	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
1066-40-6	Silanol, trimethyl-	9.51	1	ug/l	JNB	R
	Total TIC, Volatile		0	ug/l		R

(a) EPA 524.2 is not a certified method for non-potable water samples.

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N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC90468X**	**Date Collected:**	**06/20/2019 12:05**	**Matrix:**	**WATER**
Lab Sample ID:	**483115001**	**Date Received:**	**06/27/2019 08:50**		
Client Sample:	**2X**	**Client:**	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW5-7**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1893618**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**07/15/2019 19:33**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/15/2019 09:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s071519.B\s6g1515.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		0.221	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	TB062419AL1		
Lab Sample ID:	JC90587-1	**Date Sampled:**	06/24/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120176.D	1	07/05/19 14:35	BK	n/a	n/a	V1B5801
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	TB062419AL1		
Lab Sample ID:	JC90587-1	**Date Sampled:**	06/24/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.68	1.1	ug/l	J
1066-40-6	Silanol, trimethyl-	9.51	2.5	ug/l	JN
	Total TIC, Volatile		2.5	ug/l	J N

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND. This compound in BS is outside in house QC criteria bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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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:	BPOW5-3		
Lab Sample ID:	JC90587-2	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120177.D	1	07/05/19 15:06	BK	n/a	n/a	V1B5801
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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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:	BPOW5-3		
Lab Sample ID:	JC90587-2	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	94%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
	system artifact	3.67	3.7	ug/l	J	
1066-40-6	Silanol, trimethyl-	~~9.51~~	~~2.8~~	~~ug/l~~	~~JN~~	R
	Total TIC, Volatile		~~2.8~~	~~ug/l~~	~~J~~	R

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND. This compound in BS is outside in house QC criteria bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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		
Lab Sample ID:	JC90587-3	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120166.D	1	07/05/19 09:10	BK	n/a	n/a	V1B5801
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	J
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	J
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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		
Lab Sample ID:	JC90587-3	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	J
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	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%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
	system artifact	3.67	3.8	ug/l	J	
1066-40-6	Silanol, trimethyl-	9.50	3	ug/l	JN	R
	Total TIC, Volatile		3	ug/l	J	R

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND. This compound in BS is outside in house QC criteria bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	REP0624RM1		
Lab Sample ID:	JC90587-4	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120179.D	1	07/05/19 16:11	BK	n/a	n/a	V1B5801
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	REP0624RM1		
Lab Sample ID:	JC90587-4	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
1066-40-6	Silanol, trimethyl-	9.51	.87	ug/l	JN	R
	Total TIC, Volatile		.87	ug/l	J	R

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND. This compound in BS is outside in house QC criteria bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	TT102D		
Lab Sample ID:	JC90587-5	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B120180.D	1	07/05/19 16:42	BK	n/a	n/a	V1B5801
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.5	ug/l	
78-93-3	2-Butanone	ND	5.0	0.43	ug/l	
71-43-2	Benzene	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.27	ug/l	
74-83-9	Bromomethane	ND	0.50	0.18	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.18	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.093	ug/l	
75-00-3	Chloroethane	ND	0.50	0.080	ug/l	
67-66-3	Chloroform	ND	0.50	0.17	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.24	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.22	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.19	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.19	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.14	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.21	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.14	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.076	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.22	ug/l	
100-42-5	Styrene	ND	0.50	0.069	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.19	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.23	ug/l	
108-88-3	Toluene	ND	0.50	0.11	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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:	TT102D		
Lab Sample ID:	JC90587-5	**Date Sampled:**	06/24/19
Matrix:	AQ - Ground Water	**Date Received:**	06/25/19
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.15	ug/l	
	m,p-Xylene	ND	0.50	0.14	ug/l	
95-47-6	o-Xylene	ND	0.50	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.66	9	ug/l	J
	~~Silanon, trimethyl-~~	~~9.50~~	~~.68~~	~~ug/l~~	~~J~~ R
	~~Total TIC, Volatile~~		~~.68~~	~~ug/l~~	~~J~~ R

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND. This compound in BS is outside in house QC criteria bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC90587X**	**Date Collected:**	**06/24/2019 12:10**	**Matrix:**	**WATER**
Lab Sample ID:	**483113001**	**Date Received:**	**06/27/2019 08:50**		
Client Sample:	**2X**	**Client:**	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW5-3**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1893618**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**07/15/2019 18:46**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/15/2019 09:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s071519.B\s6g1513.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		1.82	ug/L	0.100	0.100	0.200

Katahdin
ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6467-1
Client ID: TT102D
Project: OU2 Navy Wells
SDG: SM6467
Lab File ID: G6611.D

Sample Date: 24-JUN-19
Received Date: 25-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 01-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		0.54	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		63.2	%				

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6467-2
Client ID: TT102D2
Project: OU2 Navy Wells
SDG: SM6467
Lab File ID: G6612.D

Sample Date: 24-JUN-19
Received Date: 25-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 01-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.081
1,4-Dioxane-D8		56.7	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-1
Client ID: TB061819MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1293.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Katahdin
ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-1
Client ID: TB061819MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1293.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		102.	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		122.	%				
Dibromofluoromethane		120.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-2
Client ID: FB061819MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1294.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-2
Client ID: FB061819MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1294.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		102.	%				
1,2-Dichloroethane-d4		121.	%				
Dibromofluoromethane		115.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-3
Client ID: RE107D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1295.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	J	0.45	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		13	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene		1.6	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-3
Client ID: RE107D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1295.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		120.	%				
Dibromofluoromethane		117.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-4
Client ID: RE107D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1296.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene		1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113		39	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene		3.3	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene 190	E	~~210~~ D	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene		11	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-4
Client ID: RE107D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1296.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		125.	%				
Dibromofluoromethane		118.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-4DL
Client ID: RE107D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1314.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 21-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255402

Analysis Date: 21-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	2.0	ug/L	2	1	2.0	0.72
Vinyl Chloride	U	2.0	ug/L	2	1	2.0	0.50
Bromomethane	U	4.0	ug/L	2	2	4.0	0.98
Chloroethane	U	2.0	ug/L	2	1	2.0	1.1
1,1-Dichloroethene	U	2.0	ug/L	2	1	2.0	0.70
Carbon Disulfide	U	2.0	ug/L	2	1	2.0	0.50
Freon-113		27	ug/L	2	1	2.0	0.62
Methylene Chloride	U	10	ug/L	2	5	10.	2.3
Acetone	J	6.5	ug/L	2	5	10.	4.4
trans-1,2-Dichloroethene	U	2.0	ug/L	2	1	2.0	0.50
1,1-Dichloroethane	U	2.0	ug/L	2	1	2.0	0.42
cis-1,2-Dichloroethene		2.8	ug/L	2	1	2.0	0.42
Chloroform	U	2.0	ug/L	2	1	2.0	0.64
Carbon Tetrachloride	U	2.0	ug/L	2	1	2.0	0.44
1,1,1-Trichloroethane	U	2.0	ug/L	2	1	2.0	0.40
2-Butanone	U	10	ug/L	2	5	10.	2.6
Benzene	U	2.0	ug/L	2	1	2.0	0.52
1,2-Dichloroethane	U	2.0	ug/L	2	1	2.0	0.40
Trichloroethene		190	ug/L	2	1	2.0	0.56
1,2-Dichloropropane	U	2.0	ug/L	2	1	2.0	0.50
Bromodichloromethane	U	2.0	ug/L	2	1	2.0	0.66
cis-1,3-Dichloropropene	U	2.0	ug/L	2	1	2.0	0.38
Toluene	U	2.0	ug/L	2	1	2.0	0.54
4-Methyl-2-Pentanone	U	10	ug/L	2	5	10.	2.6
Tetrachloroethene		11	ug/L	2	1	2.0	0.80
trans-1,3-Dichloropropene	U	2.0	ug/L	2	1	2.0	0.40
1,1,2-Trichloroethane	U	2.0	ug/L	2	1	2.0	0.66
Dibromochloromethane	U	2.0	ug/L	2	1	2.0	0.60
2-Hexanone	U	10	ug/L	2	5	10.	3.4
Chlorobenzene	U	2.0	ug/L	2	1	2.0	0.44
Ethylbenzene	U	2.0	ug/L	2	1	2.0	0.42
m+p-Xylenes	U	4.0	ug/L	2	2	4.0	1.2
o-Xylene	U	2.0	ug/L	2	1	2.0	0.50
Styrene	U	2.0	ug/L	2	1	2.0	0.46
Bromoform	U	2.0	ug/L	2	1	2.0	0.46

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-4DL
Client ID: RE107D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1314.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 21-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255402

Analysis Date: 21-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	2	1	2.0	0.76
P-Bromofluorobenzene		105.	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		110.	%				
Dibromofluoromethane		112.	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-5
Client ID: RE107D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1297.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113		4.4	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-5
Client ID: RE107D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: T1297.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 20-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255307

Analysis Date: 20-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		99.4	%				
Toluene-d8		98.5	%				
1,2-Dichloroethane-d4		123.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-2
Client ID: FB061819MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: G6555.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		59.4	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-3
Client ID: RE107D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: G6556.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		7.8	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		52.6	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-4DL
Client ID: RE107D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: G6566.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 21-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		16	ug/L	2	.25	0.47	0.16
1,4-Dioxane-D8		58.6	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6176-5
Client ID: RE107D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6176
Lab File ID: G6558.D

Sample Date: 18-JUN-19
Received Date: 19-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	J	0.098	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		53.5	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-1
Client ID: TB061919MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1337.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U J	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-1
Client ID: TB061919MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1337.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		117.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-2
Client ID: FB061919MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1338.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U J	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	J	2.7	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	J	0.38	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-2
Client ID: FB061919MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1338.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		121.	%				
Dibromofluoromethane		122.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-3
Client ID: RE128D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1347.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U J	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-3
Client ID: RE128D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1347.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		105.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		130.	%				
Dibromofluoromethane		127.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-4
Client ID: RE128D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1348.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U J	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-4
Client ID: RE128D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1348.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		102.	%				
1,2-Dichloroethane-d4		132.	%				
Dibromofluoromethane	*	129.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-5
Client ID: RE118D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1349.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U J	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-5
Client ID: RE118D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: T1349.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255584

Analysis Date: 24-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 25-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		130.	%				
Dibromofluoromethane		125.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-2
Client ID: FB061919MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: G6590.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		55.4	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-3RE
Client ID: RE128D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: G6606.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		64.3	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-4
Client ID: RE128D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: G6592.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	J	0.11	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		52.3	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6343-5
Client ID: RE118D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6343
Lab File ID: G6593.D

Sample Date: 19-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.082
1,4-Dioxane-D8		43.3	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-1
Client ID: TB062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9643.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 27-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-1
Client ID: TB062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9643.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 27-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		99.5	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		112.	%				
Dibromofluoromethane		109.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-2
Client ID: FB062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9644.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	J	2.9	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	J	0.35	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-2
Client ID: FB062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9644.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		98.3	%				
Toluene-d8		102.	%				
1,2-Dichloroethane-d4		116.	%				
Dibromofluoromethane		112.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-3
Client ID: RE121D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9646.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U J	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	J	1.9	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	J	8.1	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	J	2.3	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene		1.1	ug/L	1	1	1.0	0.21
Chloroform	J	0.41	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	J	0.22	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U J	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		30	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U J	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-3
Client ID: RE121D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9646.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		96.2	%				
Toluene-d8		99.8	%				
1,2-Dichloroethane-d4		117.	%				
Dibromofluoromethane		112.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-4DL
Client ID: RE121D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9645.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	20	ug/L	20	1	20.	7.2
Vinyl Chloride	U	20	ug/L	20	1	20.	5.0
Bromomethane	U	40	ug/L	20	2	40.	9.8
Chloroethane	U	20	ug/L	20	1	20.	11.
1,1-Dichloroethene	U	20	ug/L	20	1	20.	7.0
Carbon Disulfide	U	20	ug/L	20	1	20.	5.0
Freon-113	U	20	ug/L	20	1	20.	6.2
Methylene Chloride	U	100	ug/L	20	5	100	23.
Acetone	U	100	ug/L	20	5	100	44.
trans-1,2-Dichloroethene	U	20	ug/L	20	1	20.	5.0
1,1-Dichloroethane	U	20	ug/L	20	1	20.	4.2
cis-1,2-Dichloroethene	U	20	ug/L	20	1	20.	4.2
Chloroform	U	20	ug/L	20	1	20.	6.4
Carbon Tetrachloride	U	20	ug/L	20	1	20.	4.4
1,1,1-Trichloroethane	U	20	ug/L	20	1	20.	4.0
2-Butanone	U	100	ug/L	20	5	100	26.
Benzene	U	20	ug/L	20	1	20.	5.2
1,2-Dichloroethane	U	20	ug/L	20	1	20.	4.0
Trichloroethene		810	ug/L	20	1	20.	5.6
1,2-Dichloropropane	U	20	ug/L	20	1	20.	5.0
Bromodichloromethane	U	20	ug/L	20	1	20.	6.6
cis-1,3-Dichloropropene	U	20	ug/L	20	1	20.	3.8
Toluene	U	20	ug/L	20	1	20.	5.4
4-Methyl-2-Pentanone	U	100	ug/L	20	5	100	26.
Tetrachloroethene	U	20	ug/L	20	1	20.	8.0
trans-1,3-Dichloropropene	U	20	ug/L	20	1	20.	4.0
1,1,2-Trichloroethane	U	20	ug/L	20	1	20.	6.6
Dibromochloromethane	U	20	ug/L	20	1	20.	6.0
2-Hexanone	U	100	ug/L	20	5	100	34.
Chlorobenzene	U	20	ug/L	20	1	20.	4.4
Ethylbenzene	U	20	ug/L	20	1	20.	4.2
m+p-Xylenes	U	40	ug/L	20	2	40.	12.
o-Xylene	U	20	ug/L	20	1	20.	5.0
Styrene	U	20	ug/L	20	1	20.	4.6
Bromoform	U	20	ug/L	20	1	20.	4.6

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-4DL
Client ID: RE121D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9645.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	20	ug/L	20	1	20.	7.6
P-Bromofluorobenzene		96.0	%				
Toluene-d8		97.4	%				
1,2-Dichloroethane-d4		113.	%				
Dibromofluoromethane		111.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-4DL2
Client ID: RE121D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9654.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	2.0	ug/L	2	1	2.0	0.72
Vinyl Chloride	U	2.0	ug/L	2	1	2.0	0.50
Bromomethane	U	4.0	ug/L	2	2	4.0	0.98
Chloroethane	U	2.0	ug/L	2	1	2.0	1.1
1,1-Dichloroethene	J	2.9	ug/L	2	1	2.0	0.70
Carbon Disulfide	U	2.0	ug/L	2	1	2.0	0.50
Freon-113	J	9.5	ug/L	2	1	2.0	0.62
Methylene Chloride	U	10	ug/L	2	5	10.	2.3
Acetone	J	5.4	ug/L	2	5	10.	4.4
trans-1,2-Dichloroethene	U	2.0	ug/L	2	1	2.0	0.50
1,1-Dichloroethane	J	0.77	ug/L	2	1	2.0	0.42
cis-1,2-Dichloroethene		2.4	ug/L	2	1	2.0	0.42
Chloroform	J	1.6	ug/L	2	1	2.0	0.64
Carbon Tetrachloride		3.2	ug/L	2	1	2.0	0.44
1,1,1-Trichloroethane	J	0.42	ug/L	2	1	2.0	0.40
2-Butanone	U	10	ug/L	2	5	10.	2.6
Benzene	U	2.0	ug/L	2	1	2.0	0.52
1,2-Dichloroethane	U	2.0	ug/L	2	1	2.0	0.40
Trichloroethene	810 E	~~930~~	D ug/L	2	1	2.0	0.56
1,2-Dichloropropane	U	2.0	ug/L	2	1	2.0	0.50
Bromodichloromethane	U	2.0	ug/L	2	1	2.0	0.66
cis-1,3-Dichloropropene	U	2.0	ug/L	2	1	2.0	0.38
Toluene	U	2.0	ug/L	2	1	2.0	0.54
4-Methyl-2-Pentanone	U	10	ug/L	2	5	10.	2.6
Tetrachloroethene	J	0.95	ug/L	2	1	2.0	0.80
trans-1,3-Dichloropropene	U	2.0	ug/L	2	1	2.0	0.40
1,1,2-Trichloroethane	J	0.92	ug/L	2	1	2.0	0.66
Dibromochloromethane	U	2.0	ug/L	2	1	2.0	0.60
2-Hexanone	U	10	ug/L	2	5	10.	3.4
Chlorobenzene	U	2.0	ug/L	2	1	2.0	0.44
Ethylbenzene	U	2.0	ug/L	2	1	2.0	0.42
m+p-Xylenes	J	8.9	ug/L	2	2	4.0	1.2
o-Xylene	U	2.0	ug/L	2	1	2.0	0.50
Styrene	U	2.0	ug/L	2	1	2.0	0.46
Bromoform	U	2.0	ug/L	2	1	2.0	0.46

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-4DL2
Client ID: RE121D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9654.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	2	1	2.0	0.76
P-Bromofluorobenzene		98.6	%				
Toluene-d8		96.4	%				
1,2-Dichloroethane-d4		89.2	%				
Dibromofluoromethane		93.3	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-5
Client ID: RE119D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9647.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-5
Client ID: RE119D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9647.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		96.6	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		116.	%				
Dibromofluoromethane		113.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-6
Client ID: REP062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9648.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	J	5.4	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	J	20	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	J	0.90	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene		2.3	ug/L	1	1	1.0	0.21
Chloroform		1.8	ug/L	1	1	1.0	0.32
Carbon Tetrachloride		3.5	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	J	0.48	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene 860	~~E~~	~~1300~~	D ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene		1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	J	0.64	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U J	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-6
Client ID: REP062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: W9648.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JR/JSS
Extraction Method: SW846 5030C
Lab Prep Batch: WG255585

Analysis Date: 24-JUN-19
Analyst: JR/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		92.8	%				
Toluene-d8		96.3	%				
1,2-Dichloroethane-d4		117.	%				
Dibromofluoromethane		114.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-6DLRA
Client ID: REP062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: T1384.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 26-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030C
Lab Prep Batch: WG255780

Analysis Date: 26-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	20	ug/L	20	1	20.	7.2
Vinyl Chloride	U	20	ug/L	20	1	20.	5.0
Bromomethane	U	40	ug/L	20	2	40.	9.8
Chloroethane	U	20	ug/L	20	1	20.	11.
1,1-Dichloroethene	U	20	ug/L	20	1	20.	7.0
Carbon Disulfide	U	20	ug/L	20	1	20.	5.0
Freon-113	J	16	ug/L	20	1	20.	6.2
Methylene Chloride	U	100	ug/L	20	5	100	23.
Acetone	U	100	ug/L	20	5	100	44.
trans-1,2-Dichloroethene	U	20	ug/L	20	1	20.	5.0
1,1-Dichloroethane	U	20	ug/L	20	1	20.	4.2
cis-1,2-Dichloroethene	U	20	ug/L	20	1	20.	4.2
Chloroform	U	20	ug/L	20	1	20.	6.4
Carbon Tetrachloride	U	20	ug/L	20	1	20.	4.4
1,1,1-Trichloroethane	U	20	ug/L	20	1	20.	4.0
2-Butanone	U	100	ug/L	20	5	100	26.
Benzene	U	20	ug/L	20	1	20.	5.2
1,2-Dichloroethane	U	20	ug/L	20	1	20.	4.0
Trichloroethene		860	ug/L	20	1	20.	5.6
1,2-Dichloropropane	U	20	ug/L	20	1	20.	5.0
Bromodichloromethane	U	20	ug/L	20	1	20.	6.6
cis-1,3-Dichloropropene	U	20	ug/L	20	1	20.	3.8
Toluene	U	20	ug/L	20	1	20.	5.4
4-Methyl-2-Pentanone	U	100	ug/L	20	5	100	26.
Tetrachloroethene	U	20	ug/L	20	1	20.	8.0
trans-1,3-Dichloropropene	U	20	ug/L	20	1	20.	4.0
1,1,2-Trichloroethane	U	20	ug/L	20	1	20.	6.6
Dibromochloromethane	U	20	ug/L	20	1	20.	6.0
2-Hexanone	U	100	ug/L	20	5	100	34.
Chlorobenzene	U	20	ug/L	20	1	20.	4.4
Ethylbenzene	U	20	ug/L	20	1	20.	4.2
m+p-Xylenes	U	40	ug/L	20	2	40.	12.
o-Xylene	U	20	ug/L	20	1	20.	5.0
Styrene	U	20	ug/L	20	1	20.	4.6
Bromoform	U	20	ug/L	20	1	20.	4.6

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-6DLRA
Client ID: REP062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: T1384.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 26-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030C
Lab Prep Batch: WG255780

Analysis Date: 26-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	20	ug/L	20	1	20.	7.6
P-Bromofluorobenzene		103.	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		116.	%				
Dibromofluoromethane		116.	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-2
Client ID: FB062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: G6585.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		44.6	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-3
Client ID: RE121D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: G6586.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 01-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		10	ug/L	1	.25	0.24	0.081
1,4-Dioxane-D8		61.0	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-4
Client ID: RE121D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: G6587.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 01-JUL-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		6.1	ug/L	1	.25	0.24	0.081
1,4-Dioxane-D8		57.2	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-5
Client ID: RE119D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: G6588.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		43.7	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6342-6
Client ID: REP062019MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6342
Lab File ID: G6589.D

Sample Date: 20-JUN-19
Received Date: 21-JUN-19
Extract Date: 24-JUN-19
Extracted By: JPHR/A
Extraction Method: SW846 3520C
Lab Prep Batch: WG255597

Analysis Date: 25-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		5.4	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		54.8	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-1
Client ID: TB062119RM1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1363.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-1
Client ID: TB062119RM1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1363.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		118.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-2
Client ID: FB062119RM1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1364.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	J	2.5	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-2
Client ID: FB062119RM1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1364.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		119.	%				
Dibromofluoromethane		117.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-3
Client ID: RE124D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1365.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 27-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene		1.3	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113		87	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	J	0.28	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		4.4	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	J	0.98	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-3
Client ID: RE124D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1365.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 27-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		103.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		119.	%				
Dibromofluoromethane		115.	%				

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-4
Client ID: RE124D2
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1366.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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ANALYTICAL SERVICES

Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-4
Client ID: RE124D2
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1366.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		121.	%				
Dibromofluoromethane		118.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-5
Client ID: RE116D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1367.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-5
Client ID: RE116D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: T1367.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 25-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255695

Analysis Date: 25-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		122.	%				
Dibromofluoromethane		120.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-2
Client ID: FB062119RM1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: G6607.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		61.3	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-3
Client ID: RE124D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: G6608.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		2.2	ug/L	1	.25	0.24	0.081
1,4-Dioxane-D8		51.2	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-4
Client ID: RE124D2
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: G6609.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		60.4	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6418-5
Client ID: RE116D1
Project: OU2 Navy Wells
SDG: SM6418
Lab File ID: G6610.D

Sample Date: 21-JUN-19
Received Date: 22-JUN-19
Extract Date: 26-JUN-19
Extracted By: AC/MP
Extraction Method: SW846 3520C
Lab Prep Batch: WG255791

Analysis Date: 28-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 28-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		5.5	ug/L	1	.25	0.24	0.082
1,4-Dioxane-D8		55.5	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-1
Client ID: TB061419MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1250.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-1
Client ID: TB061419MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1250.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		104.	%				
Toluene-d8		104.	%				
1,2-Dichloroethane-d4		120.	%				
Dibromofluoromethane		121.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-2
Client ID: FB061419MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1251.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	J	0.44	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-2
Client ID: FB061419MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1251.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		101.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		121.	%				
Dibromofluoromethane		122.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-3
Client ID: RE129D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1252.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-3
Client ID: RE129D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1252.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		101.	%				
Toluene-d8		102.	%				
1,2-Dichloroethane-d4		122.	%				
Dibromofluoromethane		124.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-4
Client ID: RE129D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1253.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-4
Client ID: RE129D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: T1253.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 18-JUN-19
Extracted By: HG
Extraction Method: SW846 5030
Lab Prep Batch: WG255130

Analysis Date: 18-JUN-19
Analyst: HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		100.	%				
Toluene-d8		103.	%				
1,2-Dichloroethane-d4		120.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-2
Client ID: FB061419MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: G6548.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		53.2	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-3
Client ID: RE129D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: G6549.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.081
1,4-Dioxane-D8		35.7	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6032-4
Client ID: RE129D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6032
Lab File ID: G6550.D

Sample Date: 14-JUN-19
Received Date: 15-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.24	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		51.5	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-1
Client ID: TB061719MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1269.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U J	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-1
Client ID: TB061719MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1269.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		97.5	%				
Toluene-d8		100.	%				
1,2-Dichloroethane-d4		119.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-2
Client ID: FB061719MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1270.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	J	0.34	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U J	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-2
Client ID: FB061719MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1270.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		98.5	%				
Toluene-d8		99.5	%				
1,2-Dichloroethane-d4		118.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-3
Client ID: RE109D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1274.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113	U	1.0	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		23	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	J	0.40	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U J	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-3
Client ID: RE109D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1274.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		100.	%				
Toluene-d8		104.	%				
1,2-Dichloroethane-d4		120.	%				
Dibromofluoromethane		120.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-4
Client ID: RE109D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1275.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	J	0.35	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113		1.7	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		40	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U J	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-4
Client ID: RE109D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1275.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		99.2	%				
Toluene-d8		99.1	%				
1,2-Dichloroethane-d4		122.	%				
Dibromofluoromethane		120.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-5
Client ID: RE109D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1276.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Chloromethane	U	1.0	ug/L	1	1	1.0	0.36
Vinyl Chloride	U	1.0	ug/L	1	1	1.0	0.25
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49
Chloroethane	U	1.0	ug/L	1	1	1.0	0.55
1,1-Dichloroethene	J	0.58	ug/L	1	1	1.0	0.35
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25
Freon-113		2.8	ug/L	1	1	1.0	0.31
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1
Acetone	U	5.0	ug/L	1	5	5.0	2.2
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21
Chloroform	U	1.0	ug/L	1	1	1.0	0.32
Carbon Tetrachloride	J	0.68	ug/L	1	1	1.0	0.22
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3
Benzene	U	1.0	ug/L	1	1	1.0	0.26
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20
Trichloroethene		70	ug/L	1	1	1.0	0.28
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19
Toluene	U	1.0	ug/L	1	1	1.0	0.27
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3
Tetrachloroethene	J	0.40	ug/L	1	1	1.0	0.40
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30
2-Hexanone	U J	5.0	ug/L	1	5	5.0	1.7
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21
m+p-Xylenes	U	2.0	ug/L	1	2	2.0	0.59
o-Xylene	U J	1.0	ug/L	1	1	1.0	0.25
Styrene	U	1.0	ug/L	1	1	1.0	0.23
Bromoform	U J	1.0	ug/L	1	1	1.0	0.23

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-5
Client ID: RE109D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: T1276.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: HG/JR
Extraction Method: SW846 5030
Lab Prep Batch: WG255215

Analysis Date: 19-JUN-19
Analyst: HG/JR
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38
P-Bromofluorobenzene		97.6	%				
Toluene-d8		101.	%				
1,2-Dichloroethane-d4		119.	%				
Dibromofluoromethane		119.	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-2
Client ID: FB061719MM1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: G6551.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane	U	0.26	ug/L	1	.25	0.26	0.087
1,4-Dioxane-D8		63.7	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-3
Client ID: RE109D1
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: G6552.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		5.6	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		59.1	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-4
Client ID: RE109D2
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: G6553.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		6.4	ug/L	1	.25	0.25	0.085
1,4-Dioxane-D8		55.1	%				

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Report of Analytical Results

Client: ARCADIS
Lab ID: SM6078-5
Client ID: RE109D3
Project: OU2 - NAVY, Bethpage, NY
SDG: SM6078
Lab File ID: G6554.D

Sample Date: 17-JUN-19
Received Date: 18-JUN-19
Extract Date: 19-JUN-19
Extracted By: JPHR/I
Extraction Method: SW846 3520C
Lab Prep Batch: WG255225

Analysis Date: 20-JUN-19
Analyst: JCG
Analysis Method: SW846 8270D SIM
Matrix: AQ
% Solids: NA
Report Date: 21-JUN-19

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
1,4-Dioxane		6.3	ug/L	1	.25	0.24	0.080
1,4-Dioxane-D8		53.5	%				

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