Date: April 7, 2015

To: Raj Singhvi, EPA/ERT Work Assignment Manager

From: Deborah Killeen, SERAS QA/QC Officer

Subject: Preliminary Results for St. John Methyl Bromide Response, WA# SERAS-270

Attached please find the preliminary results of the above referenced project for the following samples:

Chain(s) of Custody No.:	No: 00297 & 06826
Analyses:	VOC + TICs
No. of Samples:	7 Samples
Matrix:	Water

Comments:

cc	Central File:	WA #SERAS-270
	Task Leader:	Dubois
	Analyst:	A. Vaidya

Environmental Response Team/Scientific Engineering, Response and Analytical Services
2890 Woodbridge Avenue, Building 209 Annex
Edison NJ 08837

Table 1.1 Results of the Analysis for VOC in Water
WA# SERAS-270, St. John Methyl Bromide Response

Method: SERAS SOP 1806

SERAS Sample Number			R503010-04		R504002-03			R504002-02		
Sample Number	Water Blank B 040215-01		55039		55152			55050		
Sample Location:			Trip Blank		Trip Blank			Field Blank		
Analyte	Result µg/L	*RL* µg/L	Result µg/L	*RL* µg/L	Result µg/L		*RL* µg/L	Result µg/L		*RL* µg/L
Dichlorodifluoromethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Chloromethane	U	20.0	U	20.0	U J		20.0	U J		20.0
Vinyl Chloride	U	5.00	U	5.00	U J		5.00	U J		5.00
Bromomethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Chloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Trichlorofluoromethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Acetone	U	20.0	U	20.0	U J		20.0	U J		20.0
1,1-Dichloroethene	U	5.00	U	5.00	U J		5.00	U J		5.00
Methylene Chloride	U	5.00	U	5.00	U J		5.00	U J		5.00
Carbon Disulfide	U	5.00	U	5.00	U J		5.00	U J		5.00
Methyl tert-Butyl Ether	U	5.00	U	5.00	U J		5.00	U J		5.00
trans-1,2-Dichloroethene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1 Dichloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
2-Butanone	U	5.00	U	5.00	U J		5.00	U J		5.00
2,2-Dichloropropane	U	5.00	U	5.00	U J		5.00	U J		5.00
cis-1,2-Dichloroethene	U	5.00	U	5.00	U J		5.00	U J		5.00
Chloroform	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1-Dichloropropene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2-Dichloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1,1-Trichloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Carbon Tetrachloride	U	5.00	U	5.00	U J		5.00	U J		5.00
Benzene	U	5.00	U	5.00	U J		5.00	U J		5.00
Trichloroethene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2-Dichloropropane	U	5.00	U	5.00	U J		5.00	U J		5.00
Bromodichloromethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Dibromomethane	U	5.00	U	5.00	U J		5.00	U J		5.00
cis-1,3-Dichloropropene	U	5.00	U	5.00	U J		5.00	U J		5.00
trans-1,3-Dichloropropene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1,2-Trichloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
1,3-Dichloropropane	U	5.00	U	5.00	U J		5.00	U J		5.00
Dibromochloromethane	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2-Dibromoethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Bromoform	U	5.00	U	5.00	U J		5.00	U J		5.00
4-Methyl-2-Pentanone	U	5.00	U	5.00	U J		5.00	U J		5.00
Toluene	U	5.00	U	5.00	U J		5.00	U J		5.00
2-Hexanone	U	5.00	U	5.00	U J		5.00	U J		5.00
Tetrachloroethene	U	5.00	U	5.00	U J		5.00	U J		5.00
Chlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1,1,2-Tetrachloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
Ethylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
p&m-Xylene	U	10.0	U	10.0	U J		10.0	U J		10.0
o-Xylene	U	5.00	U	5.00	U J		5.00	U J		5.00
Styrene	U	5.00	U	5.00	U J		5.00	U J		5.00
Isopropylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,1,2,2-Tetrachloroethane	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2,3-Trichloropropane	U	5.00	U	5.00	U J		5.00	U J		5.00
n-Propylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
Bromobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,3,5-Trimethylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
2-Chlorotoluene	U	5.00	U	5.00	U J		5.00	U J		5.00
4-Chlorotoluene	U	5.00	U	5.00	U J		5.00	U J		5.00
tert-Butylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2,4-Trimethylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
sec-Butylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
p-Isopropyltoluene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,3-Dichlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,4-Dichlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
n-Butylbenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2-Dichlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2-Dibromo-3-Chloropropane	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2,4-Trichlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00
Hexachlorobutadiene	U	5.00	U	5.00	U J		5.00	U J		5.00
Naphthalene	U	5.00	U	5.00	U J		5.00	U J		5.00
1,2,3-Trichlorobenzene	U	5.00	U	5.00	U J		5.00	U J		5.00

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Edison NJ 08837

Table 1.1 (cont) Results of the Analysis for VOC in Water
WA# SERAS-270, St. John Methyl Bromide Response

Method: SERAS SOP 1806

SERAS Sample Number	R503010-01			R503010-02			R503010-03			R504002-01		
Sample Number	55036			55037			55038			55049		
Sample Location:	Upper Kitchen			Upper BR2			Upper BR2			Lower Kitchen		
Analyte	Result µg/L		*RL* µg/L	Result µg/L		*RL* µg/L	Result µg/L		*RL* µg/L	Result µg/L		*RL* µg/L
Dichlorodifluoromethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Chloromethane	U		20.0	U		20.0	U		20.0	U	J	20.0
Vinyl Chloride	U		5.00	U		5.00	U		5.00	U	J	5.00
Bromomethane	U		5.00	U		5.00	U		5.00	1.31	J	5.00
Chloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Trichlorofluoromethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Acetone	U		20.0	U		20.0	U		20.0	U	J	20.0
1,1-Dichloroethene	U		5.00	U		5.00	U		5.00	U	J	5.00
Methylene Chloride	U		5.00	U		5.00	U		5.00	U	J	5.00
Carbon Disulfide	U		5.00	U		5.00	U		5.00	U	J	5.00
Methyl tert-Butyl Ether	U		5.00	U		5.00	U		5.00	U	J	5.00
trans-1,2-Dichloroethene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,1 Dichloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
2-Butanone	3.45	J	5.00	6.96		5.00	7.10		5.00	18.1	J	5.00
2,2-Dichloropropane	U		5.00	U		5.00	U		5.00	U	J	5.00
cis-1,2-Dichloroethene	U		5.00	U		5.00	U		5.00	U	J	5.00
Chloroform	U		5.00	1.59	J	5.00	1.48	J	5.00	3.86	J	5.00
1,1-Dichloropropene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2-Dichloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
1,1,1-Trichloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Carbon Tetrachloride	U		5.00	U		5.00	U		5.00	U	J	5.00
Benzene	U		5.00	U		5.00	U		5.00	U	J	5.00
Trichloroethene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2-Dichloropropane	U		5.00	U		5.00	U		5.00	U	J	5.00
Bromodichloromethane	2.47	J	5.00	3.80	J	5.00	3.61	J	5.00	5.81	J	5.00
Dibromomethane	U		5.00	U		5.00	U		5.00	U	J	5.00
cis-1,3-Dichloropropene	U		5.00	U		5.00	U		5.00	U	J	5.00
trans-1,3-Dichloropropene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,1,2-Trichloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
1,3-Dichloropropane	U		5.00	U		5.00	U		5.00	U	J	5.00
Dibromochloromethane	8.33		5.00	14.8		5.00	14.5		5.00	18.9	J	5.00
1,2-Dibromoethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Bromoform	19.6		5.00	42.5		5.00	42.9		5.00	51.7	J	5.00
4-Methyl-2-Pentanone	U		5.00	U		5.00	U		5.00	U	J	5.00
Toluene	U		5.00	U		5.00	U		5.00	U	J	5.00
2-Hexanone	U		5.00	U		5.00	U		5.00	U	J	5.00
Tetrachloroethene	U		5.00	U		5.00	U		5.00	U	J	5.00
Chlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,1,1,2-Tetrachloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
Ethylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
p&m-Xylene	U		10.0	U		10.0	U		10.0	U	J	10.0
o-Xylene	U		5.00	U		5.00	U		5.00	U	J	5.00
Styrene	R			U		5.00	U		5.00	U	J	5.00
Isopropylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,1,2,2-Tetrachloroethane	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2,3-Trichloropropane	U		5.00	U		5.00	U		5.00	U	J	5.00
n-Propylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
Bromobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,3,5-Trimethylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
2-Chlorotoluene	U		5.00	U		5.00	U		5.00	U	J	5.00
4-Chlorotoluene	U		5.00	U		5.00	U		5.00	U	J	5.00
tert-Butylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2,4-Trimethylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
sec-Butylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
p-Isopropyltoluene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,3-Dichlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,4-Dichlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
n-Butylbenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2-Dichlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2-Dibromo-3-Chloropropane	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2,4-Trichlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00
Hexachlorobutadiene	U		5.00	U		5.00	U		5.00	U	J	5.00
Naphthalene	U		5.00	U		5.00	U		5.00	U	J	5.00
1,2,3-Trichlorobenzene	U		5.00	U		5.00	U		5.00	U	J	5.00

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Table 1.2 Results of TICs for VOC in Water
WA# SERAS-270, St. John Methyl Bromide Response

Sample Number:	Location	Analyte	RT	Concentration* (µg/L)
Water Blank B 040215-01		No non-targets were found		
55039	Trip Blank	No non-targets were found		
55152	Trip Blank	Methane, dimethoxy-	5.39	5.01
55050	Field Blank	No non-targets were found		
55036	Upper Kitchen	No non-targets were found		
55037	Upper BR2	No non-targets were found		
55038	Upper BR2	No non-targets were found		
55049	Lower Kitchen	No non-targets were found		

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Table 2.1 Result of LCS Analysis for VOC in Water
WA# SERAS-270, St. John Methyl Bromide Response

Sample ID: LCS BW 040215

Analyte	LCS Spike Added (µg/L)	LCS Conc. (µg/L)	LCS %Rec	QC Limits % Rec.
Dichlorodifluoromethane	50.0	37.8	76	50 - 126
Chloromethane	50.0	49.6	99	57 - 117
Vinyl Chloride	50.0	41.2	82	64 - 118
Bromomethane	50.0	49.7	99	78 - 121
Chloroethane	50.0	49.5	99	77 - 124
Trichlorofluoromethane	50.0	39.0	78	66 - 120
Acetone	50.0	64.6	129	20 - 200
1,1-Dichloroethene	50.0	47.8	96	69 - 146
Methylene Chloride	50.0	50.3	101	84 - 118
Carbon Disulfide	50.0	52.4	105	85 - 115
Methyl-t-butyl Ether	50.0	42.9	86	72 - 125
trans-1,2-Dichloroethene	50.0	49.5	99	81 - 118
1,1-Dichloroethane	50.0	49.1	98	78 - 119
2-Butanone	50.0	53.9	108	42 - 200
2,2-Dichloropropane	50.0	47.2	94	76 - 134
cis-1,2-Dichloroethene	50.0	49.4	99	84 - 117
Chloroform	50.0	46.9	94	83 - 118
1,1-Dichloropropene	50.0	48.8	98	82 - 123
1,2-Dichloroethane	50.0	46.2	92	82 - 126
1,1,1-Trichloroethane	50.0	50.0	100	78 - 125
Carbon Tetrachloride	50.0	47.8	96	66 - 141
Benzene	50.0	52.4	105	85 - 119
Trichloroethene	50.0	49.9	100	81 - 117
1,2-Dichloropropane	50.0	52.3	105	83 - 118
Bromodichloromethane	50.0	46.7	93	84 - 120
Dibromomethane	50.0	49.3	99	83 - 124
cis-1,3-Dichloropropene	50.0	46.4	93	86 - 115
trans-1,3-Dichloropropene	50.0	48.9	98	84 - 128
1,1,2-Trichloroethane	50.0	51.1	102	87 - 120
1,3-Dichloropropane	50.0	49.4	99	86 - 118
Dibromochloromethane	50.0	46.0	92	81 - 117
1,2-Dibromoethane	50.0	49.6	99	85 - 120
Bromoform	50.0	44.7	89	76 - 119
4-Methyl-2-Pentanone	50.0	47.5	95	71 - 118
Toluene	50.0	49.9	100	88 - 112
2-Hexanone	50.0	50.4	101	61 - 171
Tetrachloroethene	50.0	49.3	99	84 - 120
Chlorobenzene	50.0	48.7	97	88 - 124
1,1,1,2-Tetrachloroethane	50.0	47.4	95	89 - 118
Ethylbenzene	50.0	49.5	99	87 - 119
p&m-Xylene	100.0	96.7	97	86 - 125
o-Xylene	50.0	47.9	96	82 - 134
Styrene	50.0	49.8	100	85 - 121
Isopropylbenzene	50.0	48.2	96	78 - 142
1,1,2,2-Tetrachloroethane	50.0	49.8	100	82 - 125
1,2,3-Trichloropropane	50.0	46.2	92	82 - 126
n-Propylbenzene	50.0	48.8	98	80 - 139
Bromobenzene	50.0	49.4	99	88 - 121
1,3,5-Trimethylbenzene	50.0	48.4	97	81 - 127
2-Chlorotoluene	50.0	50.8	102	78 - 138
4-Chlorotoluene	50.0	45.5	91	80 - 146
tert-Butylbenzene	50.0	48.6	97	75 - 146
1,2,4-Trimethylbenzene	50.0	49.4	99	82 - 128
sec-Butylbenzene	50.0	49.3	99	72 - 152
p-Isopropyltoluene	50.0	49.0	98	74 - 145
1,3-Dichlorobenzene	50.0	48.5	97	81 - 139
1,4-Dichlorobenzene	50.0	50.6	101	84 - 127
n-Butylbenzene	50.0	51.3	103	76 - 139
1,2-Dichlorobenzene	50.0	49.4	99	82 - 138
1,2-Dibromo-3-chloroprop	50.0	45.0	90	59 - 148
1,2,4-Trichlorobenzene	50.0	52.1	104	62 - 150
Hexachlorobutadiene	50.0	53.0	106	20 - 200
Naphthalene	50.0	47.7	95	57 - 150
1,2,3-Trichlorobenzene	50.0	51.9	104	50 - 162

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Table 2.2 Result of MS/MSD Analysis for VOC in Water
WA# SERAS-270, St. John Methyl Bromide Response

Sample ID : 55036

Analyte	Sample Conc. µg/L	MS Spike Added µg/L	MSD Spike Added µg/L	MS Conc. µg/L	MSD Conc. µg/L	MS %Rec.	MSD %Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Dichlorodifluoromethane	U	50.0	50.0	37.4	37.9	75	76	1	25	50 - 150
Chloromethane	U	50.0	50.0	46.6	46.0	93	92	1	25	50 - 150
Vinyl Chloride	U	50.0	50.0	38.7	38.8	77	78	0	25	50 - 150
Bromomethane	U	50.0	50.0	47.1	48.4	94	97	3	25	50 - 150
Chloroethane	U	50.0	50.0	46.5	47.8	93	96	3	25	50 - 150
Trichlorofluoromethane	U	50.0	50.0	39.3	39.4	79	79	0	25	50 - 150
Acetone	U	50.0	50.0	82.4	87.2	165 *	174 *	6	25	50 - 150
1,1-Dichloroethene	U	50.0	50.0	46.6	46.4	93	93	0	25	50 - 150
Methylene Chloride	U	50.0	50.0	50.6	50.9	101	102	1	25	50 - 150
Carbon Disulfide	U	50.0	50.0	50.5	50.2	101	100	1	25	50 - 150
Methyl tert-Butyl Ether	U	50.0	50.0	43.9	43.9	88	88	0	25	50 - 150
trans-1,2-Dichloroethene	U	50.0	50.0	49.2	49.6	98	99	1	25	50 - 150
1,1 Dichloroethane	U	50.0	50.0	48.8	49.7	98	99	2	25	50 - 150
2-Butanone	3.45	50.0	50.0	78.8	78.5	151 *	150 *	0	25	50 - 150
2,2-Dichloropropane	U	50.0	50.0	44.6	43.8	89	88	2	25	50 - 150
cis-1,2-Dichloroethene	U	50.0	50.0	51.1	50.4	102	101	1	25	50 - 150
Chloroform	U	50.0	50.0	49.2	48.9	98	98	1	25	50 - 150
1,1-Dichloropropene	U	50.0	50.0	48.6	48.5	97	97	0	25	50 - 150
1,2-Dichloroethane	U	50.0	50.0	47.5	47.6	95	95	0	25	50 - 150
1,1,1-Trichloroethane	U	50.0	50.0	48.9	49.2	98	98	1	25	50 - 150
Carbon Tetrachloride	U	50.0	50.0	48.4	49.9	97	100	3	25	50 - 150
Benzene	U	50.0	50.0	54.7	54.6	109	109	0	25	50 - 150
Trichloroethene	U	50.0	50.0	51.4	50.8	103	102	1	25	50 - 150
1,2-Dichloropropane	U	50.0	50.0	53.7	54.3	107	109	1	25	50 - 150
Bromodichloromethane	2.47	50.0	50.0	51.4	51.8	98	99	1	25	50 - 150
Dibromomethane	U	50.0	50.0	51.9	52.5	104	105	1	25	50 - 150
cis-1,3-Dichloropropene	U	50.0	50.0	48.5	48.8	97	98	1	25	50 - 150
trans-1,3-Dichloropropene	U	50.0	50.0	48.1	48.0	96	96	0	25	50 - 150
1,1,2-Trichloroethane	U	50.0	50.0	52.3	52.7	105	105	1	25	50 - 150
1,3-Dichloropropane	U	50.0	50.0	51.1	51.0	102	102	0	25	50 - 150
Dibromochloromethane	8.33	50.0	50.0	58.6	58.0	101	99	1	25	50 - 150
1,2-Dibromoethane	U	50.0	50.0	51.1	51.7	102	103	1	25	50 - 150
Bromoform	19.6	50.0	50.0	72.6	73.3	106	107	1	25	50 - 150
4-Methyl-2-Pentanone	U	50.0	50.0	54.2	55.1	108	110	2	25	50 - 150
Toluene	U	50.0	50.0	51.4	52.3	103	105	2	25	50 - 150
2-Hexanone	U	50.0	50.0	65.9	67.4	132	135	2	25	50 - 150
Tetrachloroethene	U	50.0	50.0	50.0	50.7	100	101	1	25	50 - 150
Chlorobenzene	U	50.0	50.0	49.6	50.4	99	101	2	25	50 - 150
1,1,1,2-Tetrachloroethane	U	50.0	50.0	48.0	49.0	96	98	2	25	50 - 150
Ethylbenzene	U	50.0	50.0	50.9	51.7	102	103	2	25	50 - 150
p&m-Xylene	U	100	100	98.8	99.7	99	100	1	25	50 - 150
o-Xylene	U	50.0	50.0	48.3	49.2	97	98	2	25	50 - 150
Styrene	U	50.0	50.0	1.63	1.44	3 *	3 *	12	25	50 - 150
Isopropylbenzene	U	50.0	50.0	48.2	49.2	96	98	2	25	50 - 150
1,1,2,2-Tetrachloroethane	U	50.0	50.0	51.2	53.2	102	106	4	25	50 - 150
1,2,3-Trichloropropane	U	50.0	50.0	48.4	50.7	97	101	5	25	50 - 150
n-Propylbenzene	U	50.0	50.0	49.2	49.9	98	100	1	25	50 - 150
Bromobenzene	U	50.0	50.0	49.7	51.5	99	103	4	25	50 - 150
1,3,5-Trimethylbenzene	U	50.0	50.0	40.3	39.4	81	79	2	25	50 - 150
2-Chlorotoluene	U	50.0	50.0	47.5	48.3	95	97	2	25	50 - 150
4-Chlorotoluene	U	50.0	50.0	48.0	49.1	96	98	2	25	50 - 150
tert-Butylbenzene	U	50.0	50.0	47.2	48.7	94	97	3	25	50 - 150
1,2,4-Trimethylbenzene	U	50.0	50.0	48.3	49.6	97	99	3	25	50 - 150
sec-Butylbenzene	U	50.0	50.0	47.7	49.2	95	98	3	25	50 - 150
p-Isopropyltoluene	U	50.0	50.0	46.8	48.3	94	97	3	25	50 - 150
1,3-Dichlorobenzene	U	50.0	50.0	47.8	49.2	96	98	3	25	50 - 150
1,4-Dichlorobenzene	U	50.0	50.0	50.0	51.8	100	104	4	25	50 - 150
n-Butylbenzene	U	50.0	50.0	49.0	50.8	98	102	4	25	50 - 150
1,2-Dichlorobenzene	U	50.0	50.0	49.1	50.3	98	101	2	25	50 - 150
1,2-Dibromo-3-Chloropropa	U	50.0	50.0	47.2	47.8	94	96	1	25	50 - 150
1,2,4-Trichlorobenzene	U	50.0	50.0	49.4	51.7	99	103	5	25	50 - 150
Hexachlorobutadiene	U	50.0	50.0	48.0	50.9	96	102	6	25	50 - 150
Naphthalene	U	50.0	50.0	46.5	48.8	93	98	5	25	50 - 150
1,2,3-Trichlorobenzene	U	50.0	50.0	49.7	51.7	99	103	4	25	50 - 150

REPORT OF LABORATORY ANALYSIS
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REAC, Edison
732) 321-4200
EPA Contract 68-C99-223

CHAIN OF CUSTODY RECORD

Project Name: ST. JO. (S6001)
Project Number: S6001
LM Contact: AMY DUBOIS Phone: 609-865-9304
MISTY BARKLEY 848-202-1742

4 waters 3/27/15

No: 00297
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

NO# R503010 **Sample Identification** — **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	Analyses Requested				
01	55036	UPPER KITCHEN	~~Air~~ PW	3/27/15	6	40mL VOA / NONE	VOC				
02	55037	UPPER BR2	~~Air~~ PW	3/27/15	3	40mL VOA / NONE	VOC				
03	55038	UPPER BR2	PW	3/27/15	3	40mL VOA / NONE	VOC				
04	55039	TRIP BLANK	PW	3/27/15	3	40mL VOA / NONE	VOC				

AA037-017

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:
55036 - MS/MSD
MATRIX OF ALL SAMPLES IS PW

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

3/30/15 Received 5°C M 3/30/15

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All samples/All reason	[signature]	3/27/15	[signature]	3/30/15	12:00	All/Analysis	[signature]	3/30/15	[signature]	03/30/15	1615

R2_SirenUSA_Maron00109_007

EAC, Edison, N
32) 321-4200
PA Contract 68-C99-223

CHAIN OF CUSTO ECORD

Project Name: ST. JO
Project Number: 56-001
LM Contact: DUBOIS Phone: 609-865-9304
(MS) ~~M. Berkley~~ Solinski x 4283

3 WATER - 3/28/15

No: 06826
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

VO#R504002

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative					
01	55049	LOWER KITCHEN	PW	3/28/15	3	40mL AMBER/NONE	VOC				
02	55050	FIELD BLANK	PW	3/28/15	3	40mL AMBER/NONE	VOC				
03	~~55051~~ (MS) 55152	TRIP BLANK	PW	3/28/15	3	40mL AMBER/NONE	VOC				

AA037-018

Matrix:

- Air
T-Animal Tissue
L- Drum Liquids
S- Drum Solids
W- Groundwater
- Oil
R-Product
T-Plant Tissue

PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

4/1/15

Received 9°C TM 4/1/15

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
SAMPLE/ALL ANALYSIS		3/30/15		4/1/15	12:00	All/Analysis		4/1/15		4/1/15	1430

R2_SirenUSA_Maron00109_008