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Subject: BETHPAGE DECEMBER 2016 QUARTERLY TABULATED DATA AND VALIDATION REPORT
Date: Thursday, February 23, 2017 11:24:17 AM
Attachments: [Final December 2016 Quarterly 8260C 8270D validation report.pdf](#)
[December 2016 Quarterly - Tabulated Data.xlsx](#)
Importance: High

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All:

On behalf of the Navy, please find attached the validation report and tabulated data for the Dec 2016 groundwater sampling. This includes data from sampling performed by the Navy; sampling of Navy-owned wells by Northrop Grumman will be reported in their 4Q 2016 report.

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Sample ID:	DUP01-GW-120516	FB-01-WQ-120516	RE103D1-GW-120516	RE103D2-GW-120516	RE103D3-GW-120516	RE104D1-GW-120516	RE104D2-GW-120516	RE104D3-GW-120516	TB01-WQ-120516	RE126D1-GW-120616	RE126D2-GW-120616	RE126D3-GW-120616	RE131D1-GW-120616
Sample Date:	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/06/2016	12/06/2016	12/06/2016	12/06/2016
Sample Type:	Field Duplicate	Field Blank	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Trip Blank	Groundwater	Groundwater	Groundwater	Groundwater

Method	CAS No.	Analyte	Units	DUP01-GW-120516	FB-01-WQ-120516	RE103D1-GW-120516	RE103D2-GW-120516	RE103D3-GW-120516	RE104D1-GW-120516	RE104D2-GW-120516	RE104D3-GW-120516	TB01-WQ-120516	RE126D1-GW-120616	RE126D2-GW-120616	RE126D3-GW-120616	RE131D1-GW-120616	
8260C	71-55-6	1,1,1-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.42 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.89 J	0.5 U	0.5 U
8260C	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	3	0.5 U	13	5 U	2.5	3 J	0.5 UJ	0.5 U	0.5 U	0.69 J	1.1	0.5 U	5.4 J	
8260C	79-00-5	1,1,2-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.49 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 J	0.5 U	0.5 U
8260C	75-34-3	1,1-DICHLOROETHANE	UG_L	0.5 U	0.5 U	0.9 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	0.5 U	0.5 U
8260C	75-35-4	1,1-DICHLOROETHENE	UG_L	0.5 U	0.5 U	6.6	5 U	0.46 J	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	0.5 U	0.82 J
8260C	120-82-1	1,2,4-TRICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
8260C	106-93-4	1,2-DIBROMOETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	95-50-1	1,2-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	107-06-2	1,2-DICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	540-59-0	1,2-DICHLOROETHENE, TOTAL	UG_L	0.77 J	1 U	3.4	10 U	0.74 J	0.81 J	3.1 J	1 U	1 U	1 U	2.9	1 U	4.2 J	
8260C	78-87-5	1,2-DICHLOROPROPANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	541-73-1	1,3-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	106-46-7	1,4-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	78-93-3	2-BUTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
8260C	591-78-6	2-HEXANONE	UG_L	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
8260C	108-10-1	4-METHYL-2-PENTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
8260C	67-64-1	ACETONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
8260C	71-43-2	BENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	75-27-4	BROMODICHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	75-25-2	BROMOFORM	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	74-83-9	BROMOMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
8260C	75-15-0	CARBON DISULFIDE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	56-23-5	CARBON TETRACHLORIDE	UG_L	0.5 U	0.5 U	0.46 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 J	0.5 U	0.25 J	
8260C	108-90-7	CHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	75-00-3	CHLOROETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
8260C	67-66-3	CHLOROFORM	UG_L	0.5 U	0.5 U	0.63 J	5 U	0.59 J	0.5 U	0.54 J	0.5 U	0.5 U	0.5 U	0.62 J	0.5 U	3.4 J	
8260C	74-87-3	CHLOROMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
8260C	156-59-2	CIS-1,2-DICHLOROETHENE	UG_L	0.77 J	0.5 U	3.4	5 U	0.74 J	0.81 J	3.1 J	0.5 U	0.5 U	0.5 U	2.9	0.5 U	4.2 J	
8260C	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	110-82-7	CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	124-48-1	DIBROMOCHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	75-71-8	DICHLORODIFLUOROMETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	0.4 J	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
8260C	100-41-4	ETHYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	98-82-8	ISOPROPYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	108-38-3/106-42	M- AND P-XYLENE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
8260C	79-20-9	METHYL ACETATE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
8260C	108-87-2	METHYL CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	1634-04-4	METHYL TERT-BUTYL ETHER	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.54 J
8260C	75-09-2	METHYLENE CHLORIDE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
8260C	95-47-6	O-XYLENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	100-42-5	STYRENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	127-18-4	TETRACHLOROETHENE	UG_L	2.3	0.5 U	4.1	5 U	0.52 J	2.3	0.5 U	0.5 U	0.5 U	0.79 J	0.5 J	1.6	7.5 J	
8260C	108-88-3	TOLUENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8260C	79-01-6	TRICHLOROETHENE	UG_L	85	0.5 U	940 J	780 J	500 J	84	10 J	0.56 J	0.5 U	26	530 J	3.3	100 J	
8260C	75-69-4	TRICHLOROFUOROMETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
8260C	75-01-4	VINYL CHLORIDE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
8260C	1330-20-7	XYLENES, TOTAL	UG_L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
8270D_SIM	123-91-1	1,4-DIOXANE	UG_L	9.5	0.18 U	17	2.5	0.96	7.1	0.35	0.17 U	NA	7.2	7	1.3	11	

Notes:

- UG_L = Micrograms per liter
- NA = Not applicable
- Qual = Final qualifiers
- U = **Undetected** — The parameter was analyzed but undetected or was qualified as undetected during data review due to blank artifacts.
- J = **Estimated Value** — One or more quality control parameters were outside control limits or the analyte concentration was less than the limit of quantitation.
- UJ = **Undetected and Estimated** — The parameter was analyzed but undetected and was estimated because of a quality control outlier.

Sample ID:	RE131D2-GW-120616	RE131D3-GW-120616	RE123D1-GW-120716	RE123D2-GW-120716	RE123D3-GW-120716	RE125D1-GW-120716	RE125D2-GW-120716	RE125D3-GW-120716	TB02-WQ-120716	DUP02-GW-120816	FB-02-WQ-120816	RE122D1-GW-120816	RE122D2-GW-120816
Sample Date:	12/06/2016	12/06/2016	12/07/2016	12/07/2016	12/07/2016	12/07/2016	12/07/2016	12/07/2016	12/07/2016	12/08/2016	12/08/2016	12/08/2016	12/08/2016
Sample Type:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Trip Blank	Field Duplicate	FB	Groundwater	Groundwater

Method	CAS No.	Analyte	Units	RE131D2-GW-120616	RE131D3-GW-120616	RE123D1-GW-120716	RE123D2-GW-120716	RE123D3-GW-120716	RE125D1-GW-120716	RE125D2-GW-120716	RE125D3-GW-120716	TB02-WQ-120716	DUP02-GW-120816	FB-02-WQ-120816	RE122D1-GW-120816	RE122D2-GW-120816
8260C	71-55-6	1,1,1-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	250 J	130	0.5 U	0.5 U	0.5 U	14 J	25 J	36 J	0.5 U	0.5 U	0.5 U	3.4	15 J
8260C	79-00-5	1,1,2-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J	2.5 J
8260C	75-34-3	1,1-DICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-35-4	1,1-DICHLOROETHENE	UG_L	2.5 U	0.98 J	0.5 U	0.5 U	0.5 U	2.5 J	6.7 J	0.84 J	0.5 U	0.5 U	0.5 U	0.91 J	7.4
8260C	120-82-1	1,2,4-TRICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3 U
8260C	106-93-4	1,2-DIBROMOETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	95-50-1	1,2-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	107-06-2	1,2-DICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	2 U
8260C	540-59-0	1,2-DICHLOROETHENE, TOTAL	UG_L	4.1 J	1 U	1 U	1 U	1 U	4.2 J	3.4 J	1.5 J	1 U	1 U	1 U	2	6.6 J
8260C	78-87-5	1,2-DICHLOROPROPANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	541-73-1	1,3-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	106-46-7	1,4-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	78-93-3	2-BUTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
8260C	591-78-6	2-HEXANONE	UG_L	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	10 UJ
8260C	108-10-1	4-METHYL-2-PENTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
8260C	67-64-1	ACETONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	10 UJ
8260C	71-43-2	BENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-27-4	BROMODICHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-25-2	BROMOFORM	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	74-83-9	BROMOMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
8260C	75-15-0	CARBON DISULFIDE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	56-23-5	CARBON TETRACHLORIDE	UG_L	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.26 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 J	2.5 J
8260C	108-90-7	CHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-00-3	CHLOROETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	4 UJ
8260C	67-66-3	CHLOROFORM	UG_L	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.48 J	2.3 J
8260C	74-87-3	CHLOROMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
8260C	156-59-2	CIS-1,2-DICHLOROETHENE	UG_L	4.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.2 J	3.4 J	1.5 J	0.5 U	0.5 U	0.5 U	1.7	6.6
8260C	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	110-82-7	CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	124-48-1	DIBROMOCHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-71-8	DICHLORODIFLUOROMETHANE	UG_L	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	0.53 J	2 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	4 UJ
8260C	100-41-4	ETHYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	98-82-8	ISOPROPYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	108-38-3/106-42	M- AND P-XYLENE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
8260C	79-20-9	METHYL ACETATE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3 U
8260C	108-87-2	METHYL CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	1634-04-4	METHYL TERT-BUTYL ETHER	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	75-09-2	METHYLENE CHLORIDE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
8260C	95-47-6	O-XYLENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	100-42-5	STYRENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	127-18-4	TETRACHLOROETHENE	UG_L	6 J	1.5	0.5 U	1 J	0.5 U	6.4 J	3.2 J	1.6 J	0.5 U	0.5 U	0.5 U	1.6	3.4 J
8260C	108-88-3	TOLUENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 J	2 U
8260C	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U
8260C	79-01-6	TRICHLOROETHENE	UG_L	54 J	6.6	7.3 J	1.8 J	0.5 U	180 J	240 J	150 J	0.5 U	5.1	0.5 U	520 J	5300 J
8260C	75-69-4	TRICHLOROFUOROMETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	0.41 J	1 UJ	1 UJ	1 U	1 UJ	1 U	4 U
8260C	75-01-4	VINYL CHLORIDE	UG_L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
8260C	1330-20-7	XYLENES, TOTAL	UG_L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	6 U
8270D_SIM	123-91-1	1,4-DIOXANE	UG_L	7.3	2	5.8	0.66	0.17 U	14	14	4	NA	0.17 U	0.19 U	7	12

Notes:
 UG_L = Micrograms per liter
 NA = Not applicable
 Qual = Final qualifiers
 U = **Undetected** — The parameter was analyzed but undetected or was qual
 J = **Estimated Value** — One or more quality control parameters were out of spec
 UJ = **Undetected and Estimated** — The parameter was analyzed but undetected and estimated

		Sample ID:	RE122D3-GW-120816	RE128D1-GW-120816	RE128D2-GW-120816	RE117D1-GW-120916	RE117D2-GW-120916	RE120D1-GW-120916	RE120D2-GW-120916	RE120D3-GW-120916	RE105D1-GW-121216	RE105D2-GW-121216	RE108D1-GW-121216	RE108D2-GW-121216	TB03-WQ-120916	
		Sample Date:	12/08/2016	12/08/2016	12/08/2016	12/09/2016	12/09/2016	12/09/2016	12/09/2016	12/09/2016	12/12/2016	12/12/2016	12/12/2016	12/12/2016	12/12/2016	
		Sample Type:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Trip Blank	
Method	CAS No.	Analyte	Units													
8260C	71-55-6	1,1,1-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 J	0.32 J	0.5 U	0.33 J	2 U	0.5 U	2.5 U	0.5 U
8260C	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	22	15	0.8 J	5.8	20	0.64 J	4.9 J	0.5 U
8260C	79-00-5	1,1,2-TRICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 J	0.48 J	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-34-3	1,1-DICHLOROETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	0.98 J	0.5 U	0.5 U	1.5 J	0.5 U	4.3 J	0.5 U
8260C	75-35-4	1,1-DICHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	13	5.2	0.5 U	1.1	7.8	0.5 U	5.4	0.5 U
8260C	120-82-1	1,2,4-TRICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	0.75 U	0.75 U	0.75 U	3 U	0.75 U	3.8 U	0.75 U
8260C	106-93-4	1,2-DIBROMOETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	95-50-1	1,2-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	107-06-2	1,2-DICHLOROETHANE	UG_L	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	540-59-0	1,2-DICHLOROETHENE, TOTAL	UG_L	1 U	1 U	1 U	1 U	1 U	3.5 J	3	1 U	1.5 J	4.1 J	1 U	7.3 J	1 U
8260C	78-87-5	1,2-DICHLOROPROPANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	541-73-1	1,3-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	106-46-7	1,4-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	78-93-3	2-BUTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	12 U	2.5 U
8260C	591-78-6	2-HEXANONE	UG_L	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	10 UJ	2.5 UJ	12 UJ	2.5 UJ
8260C	108-10-1	4-METHYL-2-PENTANONE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	12 U	2.5 U
8260C	67-64-1	ACETONE	UG_L	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	10 UJ	2.5 UJ	12 UJ	2.5 UJ
8260C	71-43-2	BENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-27-4	BROMODICHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-25-2	BROMOFORM	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	74-83-9	BROMOMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	75-15-0	CARBON DISULFIDE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	56-23-5	CARBON TETRACHLORIDE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.54 J	0.62 J	0.5 U	0.5 U	2.8 J	0.5 U	1.3 J	0.5 U
8260C	108-90-7	CHLOROBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-00-3	CHLOROETHANE	UG_L	1 U	1 UJ	1 UJ	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	67-66-3	CHLOROFORM	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73 J	0.61 J	0.5 U	0.5 U	1.9 J	0.5 U	2.9 J	0.5 U
8260C	74-87-3	CHLOROMETHANE	UG_L	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	156-59-2	CIS-1,2-DICHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.5	3	0.5 U	1.5	4.1	0.5 U	7.3	0.5 U
8260C	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	110-82-7	CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	124-48-1	DIBROMOCHLOROMETHANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-71-8	DICHLORODIFLUOROMETHANE	UG_L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	2 UJ	0.41 J	1 UJ	0.4 J	4 UJ	1 UJ	5 UJ	1 UJ
8260C	100-41-4	ETHYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	98-82-8	ISOPROPYLBENZENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	108-38-3/106-42	M- AND P-XYLENE	UG_L	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	79-20-9	METHYL ACETATE	UG_L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	0.75 U	0.75 U	0.75 U	3 U	0.75 U	3.8 U	0.75 U
8260C	108-87-2	METHYL CYCLOHEXANE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	1634-04-4	METHYL TERT-BUTYL ETHER	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	75-09-2	METHYLENE CHLORIDE	UG_L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	12 U	2.5 U
8260C	95-47-6	O-XYLENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	100-42-5	STYRENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	127-18-4	TETRACHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J	3.1	0.5 U	0.43 J	2.6 J	1.5	2.5 U	0.5 U
8260C	108-88-3	TOLUENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2.5 U	0.5 U
8260C	79-01-6	TRICHLOROETHENE	UG_L	5.1	0.5 U	0.5 U	17	0.5 U	1000	670	41	110	1800	56	2900	0.5 U
8260C	75-69-4	TRICHLOROFUOROMETHANE	UG_L	1 U	1 UJ	1 UJ	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	75-01-4	VINYL CHLORIDE	UG_L	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	4 U	1 U	5 U	1 U
8260C	1330-20-7	XYLENES, TOTAL	UG_L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U	1.5 U	1.5 U	1.5 U	6 U	1.5 U	7.5 U	1.5 U
8270D_SIM	123-91-1	1,4-DIOXANE	UG_L	0.17 U	0.17 U	0.18 U	0.19 U	0.17 U	15	10	0.31	4.7	13	8.8	5.3	NA

Notes:

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- U = **Undetected** — The parameter was analyzed but undetected or was qual
- J = **Estimated Value** — One or more quality control parameters were out of spec
- UJ = **Undetected and Estimated** — The parameter was analyzed but undetected and estimated

Sample ID: TT101D-GW-121216 TT101D1-GW-121216 TT101D2-GW-121216
Sample Date: 12/12/2016 12/12/2016 12/12/2016
Sample Type: Groundwater Groundwater Groundwater

Method	CAS No.	Analyte	Units			
8260C	71-55-6	1,1,1-TRICHLOROETHANE	UG_L	0.28 J	0.6 J	1 U
8260C	79-34-5	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5 U	0.5 U	1 U
8260C	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	12	13	20
8260C	79-00-5	1,1,2-TRICHLOROETHANE	UG_L	0.5 U	0.4 J	0.87 J
8260C	75-34-3	1,1-DICHLOROETHANE	UG_L	0.9 J	0.88 J	0.8 J
8260C	75-35-4	1,1-DICHLOROETHENE	UG_L	3	4.9	4.6
8260C	120-82-1	1,2,4-TRICHLOROBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75 U	0.75 U	1.5 U
8260C	106-93-4	1,2-DIBROMOETHANE	UG_L	0.5 U	0.5 U	1 U
8260C	95-50-1	1,2-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	107-06-2	1,2-DICHLOROETHANE	UG_L	0.5 U	0.5 U	1 U
8260C	540-59-0	1,2-DICHLOROETHENE, TOTAL	UG_L	3	1.8 J	1.9 J
8260C	78-87-5	1,2-DICHLOROPROPANE	UG_L	0.5 U	0.5 U	1 U
8260C	541-73-1	1,3-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	106-46-7	1,4-DICHLOROBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	78-93-3	2-BUTANONE	UG_L	2.5 U	2.5 U	5 U
8260C	591-78-6	2-HEXANONE	UG_L	2.5 UJ	2.5 UJ	5 UJ
8260C	108-10-1	4-METHYL-2-PENTANONE	UG_L	2.5 U	2.5 U	5 U
8260C	67-64-1	ACETONE	UG_L	2.5 UJ	2.5 UJ	5 UJ
8260C	71-43-2	BENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	75-27-4	BROMODICHLOROMETHANE	UG_L	0.5 U	0.5 U	1 U
8260C	75-25-2	BROMOFORM	UG_L	0.5 U	0.5 U	1 U
8260C	74-83-9	BROMOMETHANE	UG_L	1 U	1 U	2 U
8260C	75-15-0	CARBON DISULFIDE	UG_L	0.5 U	0.5 U	1 U
8260C	56-23-5	CARBON TETRACHLORIDE	UG_L	0.5 U	1.8	1.3 J
8260C	108-90-7	CHLOROBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	75-00-3	CHLOROETHANE	UG_L	1 U	1 U	2 U
8260C	67-66-3	CHLOROFORM	UG_L	0.46 J	0.89 J	0.97 J
8260C	74-87-3	CHLOROMETHANE	UG_L	1 U	1 U	2 U
8260C	156-59-2	CIS-1,2-DICHLOROETHENE	UG_L	3	1.8	1.9 J
8260C	10061-01-5	CIS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	1 U
8260C	110-82-7	CYCLOHEXANE	UG_L	0.5 U	0.5 U	1 U
8260C	124-48-1	DIBROMOCHLOROMETHANE	UG_L	0.5 U	0.5 U	1 U
8260C	75-71-8	DICHLORODIFLUOROMETHANE	UG_L	2.1 J	1.7 J	2 UJ
8260C	100-41-4	ETHYLBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	98-82-8	ISOPROPYLBENZENE	UG_L	0.5 U	0.5 U	1 U
8260C	108-38-3/106-42	M- AND P-XYLENE	UG_L	1 U	1 U	2 U
8260C	79-20-9	METHYL ACETATE	UG_L	0.75 U	0.75 U	1.5 U
8260C	108-87-2	METHYL CYCLOHEXANE	UG_L	0.5 U	0.5 U	1 U
8260C	1634-04-4	METHYL TERT-BUTYL ETHER	UG_L	0.5 U	0.5 U	1 U
8260C	75-09-2	METHYLENE CHLORIDE	UG_L	2.5 U	2.5 U	5 U
8260C	95-47-6	O-XYLENE	UG_L	0.5 U	0.5 U	1 U
8260C	100-42-5	STYRENE	UG_L	0.5 U	0.5 U	1 U
8260C	127-18-4	TETRACHLOROETHENE	UG_L	0.5 U	0.5 U	1.4 J
8260C	108-88-3	TOLUENE	UG_L	0.5 U	0.5 U	1 U
8260C	156-60-5	TRANS-1,2-DICHLOROETHENE	UG_L	0.5 U	0.5 U	1 U
8260C	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5 U	0.5 U	1 U
8260C	79-01-6	TRICHLOROETHENE	UG_L	68	190	740
8260C	75-69-4	TRICHLOROFUOROMETHANE	UG_L	1 U	1 U	2 U
8260C	75-01-4	VINYL CHLORIDE	UG_L	1 U	1 U	2 U
8260C	1330-20-7	XYLENES, TOTAL	UG_L	1.5 U	1.5 U	3 U
8270D_SIM	123-91-1	1,4-DIOXANE	UG_L	8.6	8.2	2.8

Notes:

UG_L = Micrograms per liter
 NA = Not applicable
 Qual = Final qualifiers
 U = **Undetected** — The parameter was analyzed but undetected or was qual
 J = **Estimated Value** — One or more quality control parameters were outsi
 UJ = **Undetected and Estimated** — The parameter was analyzed but undet



DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	BETHPAGE-8	
Analyses/Method:	Volatile Organic Compounds by United States Environmental Protection Agency SW-846 Method 8260C, and 1,4-Dioxane by United States Environmental Protection Agency SW-846 Method 8270D via Selective Ion Monitoring	
Validation Level:	Stage 3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/08/2017
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: BETHPAGE 8_8260C_8270D

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Site on 5 to 12 December 2016 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants August 2014).

Sample ID	Matrix/Sample Type	Analysis
TB01-WQ-120516	Trip Blank	8260C
RE131D1-GW-120616	Groundwater	8260C/8270D_SIM
RE131D2-GW-120616	Groundwater	8260C/8270D_SIM
RE131D3-GW-120616	Groundwater	8260C/8270D_SIM
RE126D1-GW-120616	Groundwater	8260C/8270D_SIM
RE126D2-GW-120616	Groundwater	8260C/8270D_SIM
RE126D3-GW-120616	Groundwater	8260C/8270D_SIM
RE103D1-GW-120516	Groundwater	8260C/8270D_SIM

Sample ID	Matrix/Sample Type	Analysis
RE103D2-GW-120516	Groundwater	8260C/8270D_SIM
RE103D3-GW-120516	Groundwater	8260C/8270D_SIM
FB-01-WQ-120516	Field Blank	8260C/8270D_SIM
RE104D1-GW-120516	Groundwater	8260C/8270D_SIM
RE104D2-GW-120516	Groundwater	8260C/8270D_SIM
RE104D3-GW-120516	Groundwater	8260C/8270D_SIM
DUP01-GW-120516	Duplicate of RE104D1-GW-120516	8260C/8270D_SIM
TB02-WQ-120716	Trip Blank	8260C
RE128D2-GW-120816	Groundwater	8260C/8270D_SIM
RE122D1-GW-120816	Groundwater	8260C/8270D_SIM
RE122D2-GW-120816	Groundwater	8260C/8270D_SIM
RE122D3-GW-120816	Groundwater	8260C/8270D_SIM
DUP02-GW-120816	Duplicate of RE122D3-GW-120816	8260C/8270D_SIM
RE125D1-GW-120716	Groundwater	8260C/8270D_SIM
RE125D2-GW-120716	Groundwater	8260C/8270D_SIM
RE125D3-GW-120716	Groundwater	8260C/8270D_SIM
RE123D1-GW-120716	Groundwater	8260C/8270D_SIM
RE123D2-GW-120716	Groundwater	8260C/8270D_SIM
RE123D3-GW-120716	Groundwater	8260C/8270D_SIM
FB-02-WQ-120816	Field Blank	8260C/8270D_SIM
RE128D1-GW-120816	Groundwater	8260C/8270D_SIM
TB03-WQ-120916	Trip Blank	8260C
RE108D2-GW-121216	Groundwater	8260C/8270D_SIM
TT101D-GW-121216	Groundwater	8260C/8270D_SIM
TT101D1-GW-121216	Groundwater	8260C/8270D_SIM
TT101D2-GW-121216	Groundwater	8260C/8270D_SIM
RE120D1-GW-120916	Groundwater	8260C/8270D_SIM
RE120D2-GW-120916	Groundwater	8260C/8270D_SIM
RE120D3-GW-120916	Groundwater	8260C/8270D_SIM
RE117D1-GW-120916	Groundwater	8260C/8270D_SIM
RE117D2-GW-120916	Groundwater	8260C/8270D_SIM
RE105D1-GW-121216	Groundwater	8260C/8270D_SIM
RE105D2-GW-121216	Groundwater	8260C/8270D_SIM
RE108D1-GW-121216	Groundwater	8260C/8270D_SIM

Note:

SIM = Selective Ion Monitoring

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (United States Environmental Protection Agency [U.S. EPA] 2006), *SW-846 Method 8270D, Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA 2007), *National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA September 2016), and *Department of Defense Quality Systems Manual for Environmental Laboratories, Version 4.2* (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements, and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Data completeness (chain-of-custody)/sample integrity
- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✗ Initial calibration (ICAL)/initial calibration verification (ICV)/continuing calibration verification (CCV)
- ✗ Laboratory blanks/field blanks/trip blanks
- ✗ Surrogate spike recovery
- ✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results
- ✓ Laboratory control sample/laboratory control sample duplicate results
- ✓ Field duplicates
- ✓ Internal standards
- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met, no qualification was performed, and/or non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (✗) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

RESULTS

Initial Calibration/Initial Calibration Verification/Continuing Calibration Verification

The ICAL is evaluated to ensure that the instrument was capable of producing acceptable qualitative and quantitative data prior to the analysis of samples. The ICV is evaluated to assess the accuracy of ICAL standards. The CCV is evaluated to determine whether the instrument was within acceptable calibration throughout the period in which the samples were analyzed. Failure of the CCV indicates that the ICAL is no longer valid and should trigger recalibration and reanalysis of the associated samples in the analytical sequence.

Data qualification to the analytes associated with the specific ICAL was as follows:

Initial Calibration Linearity Non-Conformance:

Criteria	Actions	
	Detected Results	Non-Detected Results
RSD >15% and quantitation based on mean response factor	J	UJ

Notes:

RSD = Relative standard deviation
 J = Estimated
 UJ = Undetected and estimated

Data qualification to the analytes associated with the specific ICV was as follows:

Initial Calibration Verification Recovery Non-Conformance:

Criteria	Actions	
	Detected Results	Non-Detected Results
Recovery >120%	J	UJ
Recovery < 80%	J	UJ

Notes:

J = Estimated value
 UJ = Undetected and estimated

Data qualification to the analytes associated with the specific CCV was as follows:

Continuing Calibration Verification Linearity Non-Conformance:

Criteria	Actions	
	Detected Results	Non-Detected Results
%Difference or %Drift > 20%	J	UJ

Notes:

J = Estimated value
 UJ = Undetected and estimated

ICAL, ICV, and CCV non-conformances are summarized in Attachment A in Table's A-1, A-2, and A-3.

Laboratory Blanks/Field Blanks/Trip Blanks

Laboratory blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

Blank Non-Conformance Chart:

Blank type	Blank result	Sample result	Action
Method, Storage, Trip, Field, or Equipment	Detects	Not Detected	No Qualification
	≤ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		≥ LOQ or ≥ 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	≥ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		≥ LOD but < Blank Result	Report at sample result and qualify as non-detect (U) or reject the sample result as unusable (R)
		≥ LOQ and ≥ Blank Result or 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	Gross Contamination	Detect	Report at sample result and qualify as unusable (R)

Notes:

LOQ = Limit of quantitation
 U = Undetected
 R = Rejected

Field blank and laboratory blank non-conformance is summarized in Attachment A in Tables A-4 and A-5.

Surrogate Spike Recovery

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Data qualification on the basis of surrogate recovery was as follows:

Surrogate Spike Recovery Non-Conformance Chart:

Criteria	Action	
	Detected	Non-Detected
Lower Limit ≤ %R or RPD ≤ Upper Limit	No qualification	No qualification
% R > Upper Limit	J	No qualification
20% < %R < Lower Limit	J	UJ
% R < 20%	J	Rejected

Notes:

%R = Percent recovery
 RPD = Relative percent differences
 J = Estimated value
 UJ = Undetected and estimated

Surrogate spike recovery non-conformances are summarized in Attachment A in Table A-6.

Matrix Spike/Matrix Spike Duplicate Results

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD percent %Rs assess the effect of the sample matrix on the accuracy of the analytical results and %Rs above the laboratory control limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The relative percent differences (RPDs) between the MS and MSD results are evaluated to assess sample precision. The MS/MSD %Rs and RPDs were reviewed for conformance with the QC acceptance criteria. Data qualification to the analytes associated with the specific MS/MSD non-conformances were as follows:

Matrix Spike/Matrix Spike Duplicate Non-Conformances Chart:

Criteria	Action	
	Detected Compounds	Non-Detected Compounds
%R or RPD > Upper Limit	J	No qualification
20% ≤ %R < Lower Limit	J	UJ
%R < 20%	J	Rejected

Notes:

%R = Percent recovery
 RPD = Relative percent difference
 J = Estimated
 UJ = Undetected and estimated

MS/MSD non-conformances are summarized in Attachment A in Table A-7.

Qualification Actions

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Attachment B provides a summary of all qualified results.

ATTACHMENTS

Attachment A: Non-Conformance Summary Tables

Attachment B: Qualified Results Summary

Attachment A
Non-Conformance Summary Table

**Table A-1
Initial Calibration Non-Conformance**

SDG	Method	Analyte	Instrument ID/ Calibration Date	RSD	RSD Limit	Associated Sample	Lab ID	Qualifiers
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	TB01-WQ-120516	TJ0283-1	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	FB-01-WQ-120516	TJ0283-5	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D1-GW-120516	TJ0283-2	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D2-GW-120516	TJ0283-3	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D3-GW-120516	TJ0283-4	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE104D3-GW-120516	TJ0283-8	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	DUP01-GW-120516	TJ0283-9	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE131D1-GW-120616	TJ0283-10	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE131D2-GW-120616	TJ0283-11	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE131D3-GW-120616	TJ0283-12	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE126D1-GW-120616	TJ0283-13	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE126D2-GW-120616	TJ0283-14	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE126D3-GW-120616	TJ0283-15	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	TB02-WQ-120716	TJ0411-1	Detects: J Non-detects: UJ

**Table A-1
Initial Calibration Non-Conformance**

SDG	Method	Analyte	Instrument ID/ Calibration Date	RSD	RSD Limit	Associated Sample	Lab ID	Qualifiers
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	FB-02-WQ-120816	TJ0411-8	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D1-GW-120516	TJ0283-2DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D2-GW-120516	TJ0283-3DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE103D3-GW-120516	TJ0283-4DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE126D2-GW-120616	TJ0283-14DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D1-GW-120716	TJ0411-2	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D2-GW-120716	TJ0411-3	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D3-GW-120716	TJ0411-4	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE123D1-GW-120716	TJ0411-5	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE123D2-GW-120716	TJ0411-6	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE123D3-GW-120716	TJ0411-7	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE128D1-GW-120816	TJ0411-9	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE128D2-GW-120816	TJ0411-10	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ

Table A-1 Initial Calibration Non-Conformance								
SDG	Method	Analyte	Instrument ID/ Calibration Date	RSD	RSD Limit	Associated Sample	Lab ID	Qualifiers
BETHPAGE-8	8260C	Chloroethane	GCMS-P 30-NOV-16	15.16379	15	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ

Notes:

SDG = Sample delivery group

RSD = Relative standard deviation

ID = Identification

Bold = Above the 15% control limit.

J = Estimated value; one or more quality control parameters for calibration were outside control limits.

UJ = Undetected and estimated; one or more quality control parameters for calibration were outside control limits.

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	TB01-WQ-120516	TJ0283-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	FB-01-WQ-120516	TJ0283-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D1-GW-120516	TJ0283-2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D2-GW-120516	TJ0283-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D3-GW-120516	TJ0283-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE104D3-GW-120516	TJ0283-8	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	DUP01-GW-120516	TJ0283-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE131D1-GW-120616	TJ0283-10	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE131D2-GW-120616	TJ0283-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE131D3-GW-120616	TJ0283-12	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE126D1-GW-120616	TJ0283-13	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE126D2-GW-120616	TJ0283-14	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE126D3-GW-120616	TJ0283-15	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	TB02-WQ-120716	TJ0411-1	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	FB-02-WQ-120816	TJ0411-8	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D1-GW-120516	TJ0283-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D2-GW-120516	TJ0283-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE103D3-GW-120516	TJ0283-4DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE126D2-GW-120616	TJ0283-14DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D1-GW-120716	TJ0411-2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D2-GW-120716	TJ0411-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D3-GW-120716	TJ0411-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE123D1-GW-120716	TJ0411-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE123D2-GW-120716	TJ0411-6	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE123D3-GW-120716	TJ0411-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE128D1-GW-120816	TJ0411-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE128D2-GW-120816	TJ0411-10	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	Dichlorodifluoromethane	P7938.D	77.27	80-120	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	TB01-WQ-120516	TJ0283-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	FB-01-WQ-120516	TJ0283-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D1-GW-120516	TJ0283-2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D2-GW-120516	TJ0283-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D3-GW-120516	TJ0283-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE104D3-GW-120516	TJ0283-8	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	DUP01-GW-120516	TJ0283-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE131D1-GW-120616	TJ0283-10	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE131D2-GW-120616	TJ0283-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE131D3-GW-120616	TJ0283-12	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE126D1-GW-120616	TJ0283-13	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE126D2-GW-120616	TJ0283-14	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE126D3-GW-120616	TJ0283-15	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	TB02-WQ-120716	TJ0411-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	FB-02-WQ-120816	TJ0411-8	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D1-GW-120516	TJ0283-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D2-GW-120516	TJ0283-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE103D3-GW-120516	TJ0283-4DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE126D2-GW-120616	TJ0283-14DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D1-GW-120716	TJ0411-2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D2-GW-120716	TJ0411-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D3-GW-120716	TJ0411-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE123D1-GW-120716	TJ0411-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE123D2-GW-120716	TJ0411-6	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE123D3-GW-120716	TJ0411-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE128D1-GW-120816	TJ0411-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE128D2-GW-120816	TJ0411-10	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P7938.D	122.30	80-120	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE122D3-GW-120816	TJ0411-13RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	DUP02-GW-120816	TJ0411-14	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE122D1-GW-120816	TJ0411-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE122D2-GW-120816	TJ0411-12DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE120D1-GW-120916	TJ0502-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE120D2-GW-120916	TJ0502-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE120D3-GW-120916	TJ0502-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE117D1-GW-120916	TJ0502-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE117D2-GW-120916	TJ0502-6	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE105D1-GW-121216	TJ0502-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE105D2-GW-121216	TJ0502-8DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE108D1-GW-121216	TJ0502-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE108D2-GW-121216	TJ0502-10DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	TT101D-GW-121216	TJ0502-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	TT101D2-GW-121216	TJ0502-13DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	TB03-WQ-120916	TJ0502-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE120D2-GW-120916	TJ0502-3	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	TT101D1-GW-121216	TJ0502-12	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE120D1-GW-120916	TJ0502-2DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	TT101D2-GW-121216	TJ0502-13DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE105D2-GW-121216	TJ0502-8DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Dichlorodifluoromethane	P8166A.D	61.77	80-120	RE108D2-GW-121216	TJ0502-10DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE122D3-GW-120816	TJ0411-13RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	DUP02-GW-120816	TJ0411-14	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE122D1-GW-120816	TJ0411-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE122D2-GW-120816	TJ0411-12DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE120D1-GW-120916	TJ0502-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE120D2-GW-120916	TJ0502-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE120D3-GW-120916	TJ0502-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE117D1-GW-120916	TJ0502-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE117D2-GW-120916	TJ0502-6	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE105D1-GW-121216	TJ0502-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE105D2-GW-121216	TJ0502-8DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE108D1-GW-121216	TJ0502-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE108D2-GW-121216	TJ0502-10DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	TT101D-GW-121216	TJ0502-11	Detects: J Non-detects: UJ

**Table A-2
Initial Calibration Verification Non-Conformance**

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	TT101D2-GW-121216	TJ0502-13DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	TB03-WQ-120916	TJ0502-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE120D2-GW-120916	TJ0502-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	TT101D1-GW-121216	TJ0502-12	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE120D1-GW-120916	TJ0502-2DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	TT101D2-GW-121216	TJ0502-13DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE105D2-GW-121216	TJ0502-8DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	Acetone	P8166A.D	124.69	80-120	RE108D2-GW-121216	TJ0502-10DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE122D3-GW-120816	TJ0411-13RA	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	DUP02-GW-120816	TJ0411-14	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE122D1-GW-120816	TJ0411-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE122D2-GW-120816	TJ0411-12DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE120D1-GW-120916	TJ0502-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE120D2-GW-120916	TJ0502-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE120D3-GW-120916	TJ0502-4	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE117D1-GW-120916	TJ0502-5	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE117D2-GW-120916	TJ0502-6	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE105D1-GW-121216	TJ0502-7	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE105D2-GW-121216	TJ0502-8DL	Detects: J Non-detects: UJ

Table A-2 Initial Calibration Verification Non-Conformance								
SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE108D1-GW-121216	TJ0502-9	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE108D2-GW-121216	TJ0502-10DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	TT101D-GW-121216	TJ0502-11	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	TT101D2-GW-121216	TJ0502-13DL	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	TB03-WQ-120916	TJ0502-1	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE120D2-GW-120916	TJ0502-3	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	TT101D1-GW-121216	TJ0502-12	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE120D1-GW-120916	TJ0502-2DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	TT101D2-GW-121216	TJ0502-13DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE105D2-GW-121216	TJ0502-8DL2	Detects: J Non-detects: UJ
BETHPAGE 8	8260C	2-Hexanone	P8166A.D	127.45	80-120	RE108D2-GW-121216	TJ0502-10DL2	Detects: J Non-detects: UJ

Notes:

- SDG = Sample delivery group
- ICV = Initial calibration verification
- ID = Identification
- %R = Percent recovery
- Bold** = Outside the 80-120 control limit.
- J = Estimated value; one or more quality control parameters for calibration were outside control limits.
- UJ = Undetected and estimated; one or more quality control parameters for calibration were outside control limits.

**Table A-3
Continuing Calibration Verification Non-Conformance**

SDG	Lab ID/ Calibration ID	Analyte	%D	%D Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	TB01-WQ-120516	TJ0283-1	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	FB-01-WQ-120516	TJ0283-5	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE103D1-GW-120516	TJ0283-2	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE103D2-GW-120516	TJ0283-3	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE103D3-GW-120516	TJ0283-4	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE104D3-GW-120516	TJ0283-8	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	DUP01-GW-120516	TJ0283-9	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE131D1-GW-120616	TJ0283-10	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE131D2-GW-120616	TJ0283-11	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE131D3-GW-120616	TJ0283-12	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE126D1-GW-120616	TJ0283-13	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE126D2-GW-120616	TJ0283-14	Detects: J Non-detects: UJ
BETHPAGE 8	WG196368-4 P8063.D	Trichlorofluoromethane	26.83847	+/- 20%	RE126D3-GW-120616	TJ0283-15	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Bromomethane	-21.17583	+/- 20%	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Bromomethane	-21.17583	+/- 20%	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Bromomethane	-21.17583	+/- 20%	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Bromomethane	-21.17583	+/- 20%	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Bromomethane	-21.17583	+/- 20%	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ

**Table A-3
Continuing Calibration Verification Non-Conformance**

SDG	Lab ID/ Calibration ID	Analyte	%D	%D Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	WG196503-4 P8084.D	Trichlorofluoromethane	35.44312	+/- 20%	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Trichlorofluoromethane	35.44312	+/- 20%	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Trichlorofluoromethane	35.44312	+/- 20%	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Trichlorofluoromethane	35.44312	+/- 20%	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	Trichlorofluoromethane	35.44312	+/- 20%	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	1,1,2-Trichloro-1,2,2-trifluoroethane	20.42494	+/- 20%	RE104D1-GW-120516	TJ0283-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	1,1,2-Trichloro-1,2,2-trifluoroethane	20.42494	+/- 20%	RE131D1-GW-120616	TJ0283-10RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	1,1,2-Trichloro-1,2,2-trifluoroethane	20.42494	+/- 20%	RE126D3-GW-120616	TJ0283-15RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	1,1,2-Trichloro-1,2,2-trifluoroethane	20.42494	+/- 20%	RE131D2-GW-120616	TJ0283-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196503-4 P8084.D	1,1,2-Trichloro-1,2,2-trifluoroethane	20.42494	+/- 20%	RE104D2-GW-120516	TJ0283-7	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	TB02-WQ-120716	TJ0411-1	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	FB-02-WQ-120816	TJ0411-8	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE103D1-GW-120516	TJ0283-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE103D2-GW-120516	TJ0283-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE103D3-GW-120516	TJ0283-4DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE126D2-GW-120616	TJ0283-14DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE125D1-GW-120716	TJ0411-2	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE125D2-GW-120716	TJ0411-3	Detects: J Non-detects: UJ

**Table A-3
Continuing Calibration Verification Non-Conformance**

SDG	Lab ID/ Calibration ID	Analyte	%D	%D Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE125D3-GW-120716	TJ0411-4	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE123D1-GW-120716	TJ0411-5	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE123D2-GW-120716	TJ0411-6	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE123D3-GW-120716	TJ0411-7	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE128D1-GW-120816	TJ0411-9	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	Trichlorofluoromethane	32.81344	+/- 20%	RE128D2-GW-120816	TJ0411-10	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	TB02-WQ-120716	TJ0411-1	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	FB-02-WQ-120816	TJ0411-8	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE103D1-GW-120516	TJ0283-2DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE103D2-GW-120516	TJ0283-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE103D3-GW-120516	TJ0283-4DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE126D2-GW-120616	TJ0283-14DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE125D1-GW-120716	TJ0411-2	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE125D2-GW-120716	TJ0411-3	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE125D3-GW-120716	TJ0411-4	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE123D1-GW-120716	TJ0411-5	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE123D2-GW-120716	TJ0411-6	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE123D3-GW-120716	TJ0411-7	Detects: J Non-detects: UJ

**Table A-3
Continuing Calibration Verification Non-Conformance**

SDG	Lab ID/ Calibration ID	Analyte	%D	%D Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE128D1-GW-120816	TJ0411-9	Detects: J Non-detects: UJ
BETHPAGE 8	WG196573-4 P8106.D	1,2-Dichloroethane	20.88616	+/- 20%	RE128D2-GW-120816	TJ0411-10	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Dichlorodifluoromethane	28.9063	+/- 20%	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	Trichlorofluoromethane	54.45973	+/- 20%	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE125D1-GW-120716	TJ0411-2RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE125D2-GW-120716	TJ0411-3DL	Detects: J Non-detects: UJ

**Table A-3
Continuing Calibration Verification Non-Conformance**

SDG	Lab ID/ Calibration ID	Analyte	%D	%D Limit	Associated Samples	Lab ID	Qualifiers
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE125D3-GW-120716	TJ0411-4RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE123D1-GW-120716	TJ0411-5RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE123D2-GW-120716	TJ0411-6RA	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE122D1-GW-120816	TJ0411-11DL	Detects: J Non-detects: UJ
BETHPAGE 8	WG196635-4 P8129.D	1,2-Dichloroethane	25.40055	+/- 20%	RE122D2-GW-120816	TJ0411-12DL	Detects: J Non-detects: UJ

Notes:

SDG = Sample delivery group

ID = Identification

%D = Percent difference

Bold = Outside the +/-20% control limit.

J = Estimated value; one or more quality control parameters for calibration were outside control limits.

UJ = Undetected and estimated; one or more quality control parameters for calibration were outside control limits.

Table A-4 Field Blank Non-Conformance							
SDG	Blank	Lab Sample ID	Analyte	Blank Results (UG_L)	Associated Sample	Associated Samples LOQ	Detected Associated Sample Qualified U
BETHPAGE 8	FB-01-WQ-120516	TJ0283-5	Carbon Disulfide	0.58	DUP01-GW-120516 RE103D1-GW-120516 RE103D2-GW-120516 RE103D3-GW-120516 RE104D1-GW-120516 RE104D2-GW-120516 RE104D3-GW-120516	1.0	DUP01-GW-120516 RE103D1-GW-120516 RE103D2-GW-120516 RE103D3-GW-120516
BETHPAGE 8	TB01-WQ-120516	TJ0283-1	Carbon Disulfide	0.58	DUP01-GW-120516 RE103D1-GW-120516 RE103D2-GW-120516 RE103D3-GW-120516 RE104D1-GW-120516 RE104D2-GW-120516 RE104D3-GW-120516 RE126D1-GW-120616 RE126D2-GW-120616 RE126D3-GW-120616 RE131D1-GW-120616 RE131D2-GW-120616 RE131D3-GW-120616	1.0	RE131D1-GW-120616 RE131D3-GW-120616

Notes:

- SDG = Sample delivery group
- ID = Identification
- UG_L = Micrograms per liter
- LOQ = Limit of quantitation
- U = Associated samples qualified undetected "U" due to blank detections.

Table A-5 Laboratory Blank Non-Conformance							
SDG	Blank ID	Batches	Analyte	Blank Result (UG_L)	Associated Samples	Associated Samples LOQ	Detected Associated Sample Qualified U
BETHPAGE 8	WG196368-2	WG196368	Carbon Disulfide	0.48	FB-01-WQ-120516 TB01-WQ-120516	1.0	FB-01-WQ-120516 TB01-WQ-120516

Notes:

- SDG = Sample delivery group
- ID = Identification
- UG_L = Micrograms per liter
- LOQ = Limit of quantitation
- U = Associated samples qualified undetected "U" due to lab blank detections.

**Table A-6
Surrogate Spike Recovery Non-Conformance**

SDG	Sample ID	Laboratory ID	Batch	Surrogate	%R	Control Limit	Qualifier
BETHPAGE-8	RE103D1-GW-120516	TJ0283-2DL	WG196573	1,2-Dichloroethane-D4	124	70-120	Detects: J
BETHPAGE-8	RE103D2-GW-120516	TJ0283-3DL	WG196573	1,2-Dichloroethane-D4	125	70-120	Detects: J
BETHPAGE-8	RE103D2-GW-120516	TJ0283-3	WG196368	1,2-Dichloroethane-D4	121	70-120	Detects: J
BETHPAGE-8	RE103D3-GW-120516	TJ0283-4DL	WG196573	1,2-Dichloroethane-D4	123	70-120	Detects: J
BETHPAGE-8	RE104D2-GW-120516	TJ0283-7	WG196503	1,2-Dichloroethane-D4	124	70-120	Detects: J
BETHPAGE-8	RE122D1-GW-120816	TJ0411-11DL	WG196635	1,2-Dichloroethane-D4	133	70-120	Detects: J
BETHPAGE-8	RE122D2-GW-120816	TJ0411-12DL	WG196635	1,2-Dichloroethane-D4	130	70-120	Detects: J
BETHPAGE-8	RE123D1-GW-120716	TJ0411-5	WG196573	1,2-Dichloroethane-D4	129	70-120	Detects: J
BETHPAGE-8	RE123D1-GW-120716	TJ0411-5RA	WG196635	1,2-Dichloroethane-D4	132	70-120	Detects: J
BETHPAGE-8	RE123D2-GW-120716	TJ0411-6	WG196573	1,2-Dichloroethane-D4	127	70-120	Detects: J
BETHPAGE-8	RE123D2-GW-120716	TJ0411-6RA	WG196635	1,2-Dichloroethane-D4	136	70-120	Detects: J
BETHPAGE-8	RE123D2-GW-120716	TJ0411-6RA	WG196635	Dibromofluoromethane	116	85-115	Detects: J
BETHPAGE-8	RE125D1-GW-120716	TJ0411-2	WG196573	1,2-Dichloroethane-D4	123	70-120	Detects: J
BETHPAGE-8	RE125D1-GW-120716	TJ0411-2RA	WG196635	1,2-Dichloroethane-D4	128	70-120	Detects: J
BETHPAGE-8	RE125D2-GW-120716	TJ0411-3	WG196573	1,2-Dichloroethane-D4	124	70-120	Detects: J
BETHPAGE-8	RE125D2-GW-120716	TJ0411-3DL	WG196635	1,2-Dichloroethane-D4	128	70-120	Detects: J
BETHPAGE-8	RE125D3-GW-120716	TJ0411-4	WG196573	1,2-Dichloroethane-D4	126	70-120	Detects: J
BETHPAGE-8	RE125D3-GW-120716	TJ0411-4RA	WG196635	1,2-Dichloroethane-D4	133	70-120	Detects: J
BETHPAGE-8	RE126D2-GW-120616	TJ0283-14DL	WG196573	1,2-Dichloroethane-D4	127	70-120	Detects: J
BETHPAGE-8	RE126D3-GW-120616	TJ0283-15RA	WG196503	1,2-Dichloroethane-D4	121	70-120	Detects: J
BETHPAGE-8	RE131D1-GW-120616	TJ0283-10RA	WG196503	1,2-Dichloroethane-D4	123	70-120	Detects: J
BETHPAGE-8	RE131D1-GW-120616	TJ0283-10	WG196368	1,2-Dichloroethane-D4	121	70-120	Detects: J
BETHPAGE-8	RE131D2-GW-120616	TJ0283-11DL	WG196503	1,2-Dichloroethane-D4	124	70-120	Detects: J
BETHPAGE-8	RE131D2-GW-120616	TJ0283-11	WG196368	1,2-Dichloroethane-D4	123	70-120	Detects: J

Notes:

- SDG = Sample delivery group
- ID = Identification
- %R = Percent recovery
- Bold** = Outside control limits
- J** = Estimated value; one or more quality control parameters for calibration were outside control limits.

Table A-7 Matrix Spike/Matrix Spike Duplicate Percent Recovery Non-Conformance								
SDG	Method	Spiked Sample ID	Analyte	Sample Result (UG_L)	MS %R	MSD %R	%R Limit	Qualifier
BETHPAGE-8	8260C	RE122D2-GW- 120816DL2	1,1,2-Trichloro-1,2,2- trifluoroethane	15	76.6	71.4	73-126	J

Notes:

SDG = Sample delivery group

ID = Identification

UG_L = Micrograms per liter

MS = Matrix spike

MSD = Matrix spike duplicate

%R = Percent recovery

Bold = %R outside of control limits

J = Analyte in associated sample qualified estimated "J" because %R is lower than the control limit and may be biased low.

Attachment B
Qualified Results Summary

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	DUP01-GW-120516	TJ0283-9	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	DUP01-GW-120516	TJ0283-9	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	DUP01-GW-120516	TJ0283-9	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bf
8260C	DUP01-GW-120516	TJ0283-9	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	DUP01-GW-120516	TJ0283-9	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	DUP02-GW-120816	TJ0411-14	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	DUP02-GW-120816	TJ0411-14	12/8/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	DUP02-GW-120816	TJ0411-14	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-01-WQ-120516	TJ0283-5	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	FB-01-WQ-120516	TJ0283-5	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-01-WQ-120516	TJ0283-5	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bl
8260C	FB-01-WQ-120516	TJ0283-5	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-01-WQ-120516	TJ0283-5	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-02-WQ-120816	TJ0411-8	12/8/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	FB-02-WQ-120816	TJ0411-8	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	FB-02-WQ-120816	TJ0411-8	12/8/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-02-WQ-120816	TJ0411-8	12/8/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	FB-02-WQ-120816	TJ0411-8	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D1-GW-120516	TJ0283-2	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE103D1-GW-120516	TJ0283-2	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D1-GW-120516	TJ0283-2	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bf
8260C	RE103D1-GW-120516	TJ0283-2	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D1-GW-120516	TJ0283-2	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D1-GW-120516	TJ0283-2DL	12/5/2016	10	TRICHLOROETHENE	940	UG_L		J	J	s
8260C	RE103D2-GW-120516	TJ0283-3	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE103D2-GW-120516	TJ0283-3	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D2-GW-120516	TJ0283-3	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bf
8260C	RE103D2-GW-120516	TJ0283-3	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D2-GW-120516	TJ0283-3	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D2-GW-120516	TJ0283-3DL	12/5/2016	10	TRICHLOROETHENE	780	UG_L		J	J	s
8260C	RE103D3-GW-120516	TJ0283-4	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE103D3-GW-120516	TJ0283-4	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D3-GW-120516	TJ0283-4	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bf
8260C	RE103D3-GW-120516	TJ0283-4	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D3-GW-120516	TJ0283-4	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE103D3-GW-120516	TJ0283-4DL	12/5/2016	10	TRICHLOROETHENE	500	UG_L		J	J	s
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	BROMOMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	DICHLORODIFLUOROMETHANE	0.40	UG_L	J	J	J	c

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	RE104D1-GW-120516	TJ0283-6RA	12/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3.0	UG_L		J	J	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	CIS-1,2-DICHLOROETHENE	3.1	UG_L		J	J	s
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	1,2-DICHLOROETHENE, TOTAL	3.1	UG_L		J	J	s
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	CHLOROFORM	0.54	UG_L	J	J	J	s
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	BROMOMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	UM	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE104D2-GW-120516	TJ0283-7	12/5/2016	1	TRICHLOROETHENE	10	UG_L		J	J	s
8260C	RE104D3-GW-120516	TJ0283-8	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE104D3-GW-120516	TJ0283-8	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D3-GW-120516	TJ0283-8	12/5/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE104D3-GW-120516	TJ0283-8	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE105D1-GW-121216	TJ0502-7	12/12/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE105D1-GW-121216	TJ0502-7	12/12/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE105D1-GW-121216	TJ0502-7	12/12/2016	1	DICHLORODIFLUOROMETHANE	0.40	UG_L	J	J	J	c
8260C	RE105D2-GW-121216	TJ0502-8DL2	12/12/2016	4	2-HEXANONE	<10	UG_L	U	J	UJ	c
8260C	RE105D2-GW-121216	TJ0502-8DL2	12/12/2016	4	ACETONE	<10	UG_L	U	J	UJ	c
8260C	RE105D2-GW-121216	TJ0502-8DL2	12/12/2016	4	DICHLORODIFLUOROMETHANE	<4.0	UG_L	U	J	UJ	c
8260C	RE108D1-GW-121216	TJ0502-9	12/12/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE108D1-GW-121216	TJ0502-9	12/12/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE108D1-GW-121216	TJ0502-9	12/12/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE108D2-GW-121216	TJ0502-10DL2	12/12/2016	5	2-HEXANONE	<12	UG_L	U	J	UJ	c
8260C	RE108D2-GW-121216	TJ0502-10DL2	12/12/2016	5	ACETONE	<12	UG_L	U	J	UJ	c
8260C	RE108D2-GW-121216	TJ0502-10DL2	12/12/2016	5	DICHLORODIFLUOROMETHANE	<5.0	UG_L	U	J	UJ	c
8260C	RE117D1-GW-120916	TJ0502-5	12/9/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE117D1-GW-120916	TJ0502-5	12/9/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE117D1-GW-120916	TJ0502-5	12/9/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE117D2-GW-120916	TJ0502-6	12/9/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE117D2-GW-120916	TJ0502-6	12/9/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE117D2-GW-120916	TJ0502-6	12/9/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE120D1-GW-120916	TJ0502-2DL2	12/9/2016	2	2-HEXANONE	<5.0	UG_L	U	J	UJ	c
8260C	RE120D1-GW-120916	TJ0502-2DL2	12/9/2016	2	ACETONE	<5.0	UG_L	U	J	UJ	c
8260C	RE120D1-GW-120916	TJ0502-2DL2	12/9/2016	2	DICHLORODIFLUOROMETHANE	<2.0	UG_L	U	J	UJ	c
8260C	RE120D2-GW-120916	TJ0502-3	12/9/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE120D2-GW-120916	TJ0502-3	12/9/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE120D2-GW-120916	TJ0502-3	12/9/2016	1	DICHLORODIFLUOROMETHANE	0.41	UG_L	J	J	J	c
8260C	RE120D3-GW-120916	TJ0502-4	12/9/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE120D3-GW-120916	TJ0502-4	12/9/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	RE120D3-GW-120916	TJ0502-4	12/9/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE122D1-GW-120816	TJ0411-11DL	12/8/2016	10	TRICHLOROETHENE	520	UG_L		J	J	s
8260C	RE122D1-GW-120816	TJ0411-11	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE122D1-GW-120816	TJ0411-11	12/8/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE122D1-GW-120816	TJ0411-11	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE122D2-GW-120816	TJ0411-12DL	12/8/2016	40	TRICHLOROETHENE	5300	UG_L	MM	J	J	s
8260C	RE122D2-GW-120816	TJ0411-12DL2	12/8/2016	4	2-HEXANONE	<10	UG_L	U	J	UJ	c
8260C	RE122D2-GW-120816	TJ0411-12DL2	12/8/2016	4	ACETONE	<10	UG_L	U	J	UJ	c
8260C	RE122D2-GW-120816	TJ0411-12DL2	12/8/2016	4	DICHLORODIFLUOROMETHANE	<4.0	UG_L	U	J	UJ	c
8260C	RE122D2-GW-120816	TJ0411-12DL2	12/8/2016	4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	15	UG_L	M	J	J	m
8260C	RE122D3-GW-120816	TJ0411-13RA	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE122D3-GW-120816	TJ0411-13RA	12/8/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	RE122D3-GW-120816	TJ0411-13RA	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D1-GW-120716	TJ0411-5	12/7/2016	1	TRICHLOROETHENE	7.3	UG_L		J	J	s
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	TETRACHLOROETHENE	1.0	UG_L		J	J	s
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D2-GW-120716	TJ0411-6	12/7/2016	1	TRICHLOROETHENE	1.8	UG_L		J	J	s
8260C	RE123D3-GW-120716	TJ0411-7	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE123D3-GW-120716	TJ0411-7	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE123D3-GW-120716	TJ0411-7	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D3-GW-120716	TJ0411-7	12/7/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE123D3-GW-120716	TJ0411-7	12/7/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	TETRACHLOROETHENE	6.4	UG_L		J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	CIS-1,2-DICHLOROETHENE	4.2	UG_L		J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	1,2-DICHLOROETHENE, TOTAL	4.2	UG_L		J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	CARBON TETRACHLORIDE	0.26	UG_L	J	J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	CHLOROFORM	0.73	UG_L	J	J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	1,1-DICHLOROETHANE	2.4	UG_L		J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	1,1-DICHLOROETHENE	2.5	UG_L		J	J	s

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	DICHLORODIFLUOROMETHANE	0.53	UG_L	J	J	J	c,s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	14	UG_L		J	J	s
8260C	RE125D1-GW-120716	TJ0411-2	12/7/2016	1	TRICHLOROETHENE	180	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	TETRACHLOROETHENE	3.2	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	CIS-1,2-DICHLOROETHENE	3.4	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	1,2-DICHLOROETHENE, TOTAL	3.4	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	1,1,1-TRICHLOROETHANE	0.73	UG_L	J	J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	1,1-DICHLOROETHENE	6.7	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	TRICHLOROFLUOROMETHANE	0.41	UG_L	J	J	J	c,s
8260C	RE125D2-GW-120716	TJ0411-3	12/7/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	25	UG_L		J	J	s
8260C	RE125D2-GW-120716	TJ0411-3DL	12/7/2016	2	DICHLORODIFLUOROMETHANE	<2.0	UG_L	U	J	UJ	c
8260C	RE125D2-GW-120716	TJ0411-3DL	12/7/2016	2	TRICHLOROETHENE	240	UG_L		J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	TETRACHLOROETHENE	1.6	UG_L		J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	CIS-1,2-DICHLOROETHENE	1.5	UG_L		J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	1,2-DICHLOROETHENE, TOTAL	1.5	UG_L	J	J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	1,1-DICHLOROETHENE	0.84	UG_L	J	J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	36	UG_L		J	J	s
8260C	RE125D3-GW-120716	TJ0411-4	12/7/2016	1	TRICHLOROETHENE	150	UG_L		J	J	s
8260C	RE125D3-GW-120716	TJ0411-4RA	12/7/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D1-GW-120616	TJ0283-13	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE126D1-GW-120616	TJ0283-13	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D1-GW-120616	TJ0283-13	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D1-GW-120616	TJ0283-13	12/6/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D2-GW-120616	TJ0283-14	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE126D2-GW-120616	TJ0283-14	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D2-GW-120616	TJ0283-14	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D2-GW-120616	TJ0283-14	12/6/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D2-GW-120616	TJ0283-14DL	12/6/2016	10	TRICHLOROETHENE	530	UG_L		J	J	s
8260C	RE126D3-GW-120616	TJ0283-15	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE126D3-GW-120616	TJ0283-15	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D3-GW-120616	TJ0283-15	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE126D3-GW-120616	TJ0283-15	12/6/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D1-GW-120816	TJ0411-9	12/8/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	RE128D1-GW-120816	TJ0411-9	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE128D1-GW-120816	TJ0411-9	12/8/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D1-GW-120816	TJ0411-9	12/8/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D1-GW-120816	TJ0411-9	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D2-GW-120816	TJ0411-10	12/8/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	RE128D2-GW-120816	TJ0411-10	12/8/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE128D2-GW-120816	TJ0411-10	12/8/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D2-GW-120816	TJ0411-10	12/8/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE128D2-GW-120816	TJ0411-10	12/8/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	TETRACHLOROETHENE	7.5	UG_L		J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	CIS-1,2-DICHLOROETHENE	4.2	UG_L		J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	METHYL TERT-BUTYL ETHER	0.54	UG_L	J	J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	1,2-DICHLOROETHENE, TOTAL	4.2	UG_L		J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	CARBON TETRACHLORIDE	0.25	UG_L	J	J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	CHLOROFORM	3.4	UG_L		J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	1,1-DICHLOROETHENE	0.82	UG_L	J	J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5.4	UG_L		J	J	s
8260C	RE131D1-GW-120616	TJ0283-10	12/6/2016	1	TRICHLOROETHENE	100	UG_L		J	J	s
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	TETRACHLOROETHENE	6.0	UG_L		J	J	s
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	CIS-1,2-DICHLOROETHENE	4.1	UG_L		J	J	s
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	1,2-DICHLOROETHENE, TOTAL	4.1	UG_L		J	J	s
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bt
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D2-GW-120616	TJ0283-11	12/6/2016	1	TRICHLOROETHENE	54	UG_L		J	J	s
8260C	RE131D2-GW-120616	TJ0283-11DL	12/6/2016	5	DICHLORODIFLUOROMETHANE	<5.0	UG_L	U	J	UJ	c
8260C	RE131D2-GW-120616	TJ0283-11DL	12/6/2016	5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	250	UG_L		J	J	c,s
8260C	RE131D3-GW-120616	TJ0283-12	12/6/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	RE131D3-GW-120616	TJ0283-12	12/6/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D3-GW-120616	TJ0283-12	12/6/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bt
8260C	RE131D3-GW-120616	TJ0283-12	12/6/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	RE131D3-GW-120616	TJ0283-12	12/6/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB01-WQ-120516	TJ0283-1	12/5/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	TB01-WQ-120516	TJ0283-1	12/5/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB01-WQ-120516	TJ0283-1	12/5/2016	1	CARBON DISULFIDE	<0.50	UG_L	J	U	U	bl
8260C	TB01-WQ-120516	TJ0283-1	12/5/2016	1	TRICHLOROFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c

**Table B-1
Qualified Results Summary**

Method	Sample ID	Laboratory ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	TB01-WQ-120516	TJ0283-1	12/5/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB02-WQ-120716	TJ0411-1	12/7/2016	1	1,2-DICHLOROETHANE	<0.50	UG_L	U	J	UJ	c
8260C	TB02-WQ-120716	TJ0411-1	12/7/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	TB02-WQ-120716	TJ0411-1	12/7/2016	1	CHLOROETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB02-WQ-120716	TJ0411-1	12/7/2016	1	TRICHLOROFUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB02-WQ-120716	TJ0411-1	12/7/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TB03-WQ-120916	TJ0502-1	12/12/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	TB03-WQ-120916	TJ0502-1	12/12/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	TB03-WQ-120916	TJ0502-1	12/12/2016	1	DICHLORODIFLUOROMETHANE	<1.0	UG_L	U	J	UJ	c
8260C	TT101D1-GW-121216	TJ0502-12	12/12/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	TT101D1-GW-121216	TJ0502-12	12/12/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	TT101D1-GW-121216	TJ0502-12	12/12/2016	1	DICHLORODIFLUOROMETHANE	1.7	UG_L	J	J	J	c
8260C	TT101D2-GW-121216	TJ0502-13DL2	12/12/2016	2	2-HEXANONE	<5.0	UG_L	U	J	UJ	c
8260C	TT101D2-GW-121216	TJ0502-13DL2	12/12/2016	2	ACETONE	<5.0	UG_L	U	J	UJ	c
8260C	TT101D2-GW-121216	TJ0502-13DL2	12/12/2016	2	DICHLORODIFLUOROMETHANE	<2.0	UG_L	U	J	UJ	c
8260C	TT101D-GW-121216	TJ0502-11	12/12/2016	1	2-HEXANONE	<2.5	UG_L	U	J	UJ	c
8260C	TT101D-GW-121216	TJ0502-11	12/12/2016	1	ACETONE	<2.5	UG_L	U	J	UJ	c
8260C	TT101D-GW-121216	TJ0502-11	12/12/2016	1	DICHLORODIFLUOROMETHANE	2.1	UG_L		J	J	c

Notes:

- ID = Identification
- DF = Dilution factor
- RC = Reason code
- UG_L = Micrograms per liter
- U = **Undetected** — The parameter was analyzed but undetected or was qualified as undetected during data review due to blank artifacts.
- J = **Estimated Value** — One or more quality control parameters were outside control limits or the analyte concentration was less than the limit of quantitation.
- UJ = **Undetected and Estimated** — The parameter was analyzed but undetected and was estimated because of a quality control outlier.
- M = Indicates that the analyte was outside of the control limits in the matrix spike/matrix spike duplicate prepared and/or analyzed concurrently with the native sample (laboratory qualifier.)

Qualification Reason Codes (multiple reason codes may be applied):

- bf = Field blank contamination
- bl = Lab blank contamination
- bt = Trip blank contamination
- c = Calibration issue
- m = Matrix spike/matrix spike duplicate percent recovery
- s = Surrogate spike percent recovery