

## Pelton, Jason M (DEC)

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**Sent:** Tuesday, April 16, 2019 1:38 PM  
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**Cc:** Murray, Brian S CIV USN NAVFAC MIDLANT NOR (US); Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH;  
Brayack, David; Francisco, Ben  
**Subject:** Q3, 2018 (Sept/Oct) Validated Data, OU2 Navy groundwater sampling  
**Attachments:** OU2 Navy GW validated data - Sep\_Oct 2018.pdf

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All:

As per discussions between the Navy and NYSDEC, NYSDEC requested that the Navy submit the validated data as soon as the information is available. Please find attached, a pdf table of the Q3, 2018 (Sept/Oct) groundwater sampling data. The data includes both VOCs and 1,4-dioxan results.

Validated data from the Dec 2018 sampling events will be provided shortly.

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September/October 2018 Validated Analytical Data  
Navy OU2 Groundwater Sampling  
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE103D1 RE103D1-20181003 10/03/2018 NM	RE103D1 TT-DUP02-20181003 10/03/2018 NM RE103D1-20181003	RE103D2 RE103D2-20181003 10/03/2018 NM	RE103D3 RE103D3-20181003 10/03/2018 NM	RE104D1 RE104D1-20181003 10/03/2018 NM	RE104D2 RE104D2-20181003 10/03/2018 NM
	J5284	J5284	J5284	J5284	J5284	J5284
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.91 J	0.87 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6.5	6.4	2.5 J	2.4 J	1.3 J	0.5 U
1,1-DICHLOROETHANE	1.3 J	1.2 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	4.8 J	4.8 J	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.62 J
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	3.8 U	3 U	3.7 U	5.5 U	4.5 U	1.9 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	0.94 J	0.95 J	0.82 J	0.57 J	0.5 U	1.7 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	2 J	2.1 J	0.65 J	0.81 J	0.63 J	12.7
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.89 J	0.9 J	0.5 U	0.5 U	1.2 J	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	590	580	500	420	51.1	34
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	6.8	6.8	0.61	0.36	3.7	0.44

September/October 2018 Validated Analytical Data  
Navy OU2 Groundwater Sampling  
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE104D3 RE104D3-20181003 10/03/2018 NM	RE104D3 TT-DUP03-20181003 10/03/2018 NM RE104D3-20181003	RE105D1 RE105D1-20180927 09/27/2018 NM	RE105D2 RE105D2-20180927 09/27/2018 NM	RE108D1 RE108D1-20181004 10/04/2018 NM	RE108D2 RE108D2-20181004 10/04/2018 NM
	J5284	J5284	J5189	J5189	J5317	J5317
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	7.5 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	1.3 J	0.5 U	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	5.3	15.6	0.5 U	5 U
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	2 J	0.5 U	5 U
1,1-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	6.2	0.5 U	5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	7.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	37.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	25 U
ACETONE	2.7 U	3.8 U	2.5 U	2.5 U	2.7 U	25 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	2.3 J	0.5 U	5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	1.7 J	0.5 U	5 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
CIS-1,2-DICHLOROETHENE	0.5 U	0.5 U	1.6 J	4.2 J	0.5 U	5 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	10 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
TETRACHLOROETHENE	0.5 U	0.5 U	0.5 U	0.6 J	0.5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
TRICHLOROETHENE	1.1 U	0.82 U	94.4	1400	25.1	800
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	0.05 U	0.05 U	2.7	5.8	3.6	3.6

September/October 2018 Validated Analytical Data  
Navy OU2 Groundwater Sampling  
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LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE108D2 TT-DUP04-20181004 10/04/2018 NM RE108D2-20181004	RE109D1 RE109D1-20181005 10/05/2018 NM	RE109D2 RE109D2-20181005 10/05/2018 NM	RE109D3 RE109D3-20181005 10/05/2018 NM	RE117D1 RE117D1-20180926 09/26/2018 NM	RE117D2 RE117D2-20180926 09/26/2018 NM
OV (UG/L)						
1,1,1-TRICHLOROETHANE	0.72 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	1.6 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	2.3 J	0.76 J	0.92 J	2.7 J	0.5 U	0.5 U
1,1-DICHLOROETHANE	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	3.9 J	0.5 U	0.5 U	0.64 J	0.5 U	0.5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	5.1 U	4.2 U	5.6 U	2.5 U	2.5 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.71 J	0.5 U	0.5 U	0.8 J	0.5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	3.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	2.4 J	0.5 U	0.5 U	1 J	0.5 U	0.5 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.5 U	0.43 J	0.5 U	0.5 U	0.5 U	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	890	26.5	32.2	71.3	15.5	0.5 U
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
8270D (UG/L)						
1,4-DIOXANE	3.7	3	3	4.1	0.05 U	0.05 U

September/October 2018 Validated Analytical Data  
Navy OU2 Groundwater Sampling  
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE120D1 RE120D1-20181002 10/02/2018 NM	RE120D2 RE120D2-20181002 10/02/2018 NM	RE120D3 RE120D3-20181002 10/02/2018 NM	RE122D1 RE122D1-20181004 10/04/2018 NM	RE122D1 RE122D1-IMP-20181004 10/04/2018 NM	RE122D2 RE122D2-20181004 10/04/2018 NM
	J5284	J5284	J5284	J5317	J5317	J5317
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	3.8 U	3.8 U	75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
1,1,2-TRICHLOROETHANE	1 J	0.56 J	0.5 U	2.5 U	2.5 U	50 U
1,1,2-TRICHLOROTRIFLUOROETHANE	18	12.6	1.1 J	3.7 J	5.6 J	50 U
1,1-DICHLOROETHANE	2.3 J	1 J	0.5 U	2.5 U	2.5 U	50 U
1,1-DICHLOROETHENE	12.1	4.1 J	0.5 U	2.5 U	2.5 U	50 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	3.8 U	3.8 U	75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	12.5 U	12.5 U	250 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	18.8 U	18.8 U	380 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	12.5 U	12.5 U	250 U
ACETONE	2.5 U	4.5 U	5 U	7.7 U	6.5 U	250 U
BENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
BROMOFORM	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CARBON TETRACHLORIDE	0.53 J	0.58 J	0.5 U	2.5 U	2.5 U	50 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CHLOROFORM	0.71 J	0.69 J	0.5 U	2.5 U	2.5 U	50 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
CIS-1,2-DICHLOROETHENE	3.7 J	3 J	0.5 U	3 J	3.5 J	50 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
M+P-XYLENES	1 U	1 U	1 U	5 U	5 U	100 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
O-XYLENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
STYRENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
TETRACHLOROETHENE	0.93 J	0.78 J	0.5 U	2.5 U	2.3 J	50 U
TOLUENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
TRICHLOROETHENE	740	520	35	400	670	4700
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	50 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	7.3	5.1	0.3	3.9	3.5	5.1

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LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE122D2 RE122D2-IMP-20181004 10/04/2018 NM	RE122D3 RE122D3-20181004 10/04/2018 NM	RE122D3 RE122D3-IMP-20181004 10/04/2018 NM	RE123D1 RE123D1-20181009 10/09/2018 NM	RE123D2 RE123D2-20181008 10/08/2018 NM	RE123D3 RE123D3-20181008 10/08/2018 NM
J5317	J5317	J5317	J5317	J5393	J5393	J5393
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	30 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	30 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	100 U	2.6 J	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	150 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	100 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	100 U	2.5 U	2.5 U	2.5 U	5.7 U	1.5 U
BENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,3-DICHLOROPROPENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	40 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	20 U	0.5 U	0.5 U	0.5 U	0.86 J	0.5 U
TOLUENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	4400	4.1 U	1.4 J	7.9	2.6 U	0.48 U
TRICHLOROFLUOROMETHANE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	20 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	5	0.05 U	0.05 U	1.9	0.41	0.27

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LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE125D1 RE125D1-20181001 10/01/2018 NM	RE125D2 RE125D2-20181001 10/01/2018 NM	RE125D3 RE125D3-20181001 10/01/2018 NM	RE126D1 RE126D1-20181008 10/08/2018 NM	RE126D2 RE126D2-20181008 10/08/2018 NM	RE126D2 TT-DUP05-20181008 10/08/2018 NM RE126D2-20181008
	J5284	J5284	J5284	J5393	J5393	J5393
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.53 J
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 J	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6	11.8	27.7	0.5 UJ	0.76 J	0.79 J
1,1-DICHLOROETHANE	1.6 J	0.9 J	0.5 U	0.5 UJ	1.7 J	1.7 J
1,1-DICHLOROETHENE	1.7 J	5.8	0.5 U	0.5 UJ	1.6 J	1.8 J
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 UJ	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
ACETONE	2.5 U	4.4 U	4.1 U	2.5 UJ	2.5 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.78 J	0.84 J
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CHLOROFORM	0.88 J	0.53 J	0.5 U	0.5 UJ	0.57 J	0.54 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	4.3 J	4.7 J	2 J	0.5 UJ	1.8 J	1.7 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 UJ	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.58 J	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
TETRACHLOROETHENE	2.4 J	0.4 J	0.68 J	0.5 UJ	0.42 J	0.48 J
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
TRICHLOROETHENE	130	160	130	36.2 J-	430	430
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	7.8	7.3	1.9	3.2	2.8	3.1

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LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE126D3 RE126D3-20181008 10/08/2018 NM	RE131D1 RE131D1-20180927 09/27/2018 NM	RE131D2 RE131D2-20180927 09/27/2018 NM	RE131D3 RE131D3-20180927 09/27/2018 NM	RE137 RE137-640FT-20181009 10/09/2018 NM	RE137 RE137-700FT-20181009 10/09/2018 NM
	J5393	J5189	J5189	J5189	J5393	J5393
<b>OV (UG/L)</b>						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	2.3 J
1,1,2-TRICHLOROTRIFLUOROETHANE	0.75 J	4.1 J	170	160	33.7	51.7
1,1-DICHLOROETHANE	0.5 U	0.61 J	0.5 U	0.5 U	1.7 J	2.7 J
1,1-DICHLOROETHENE	0.6 J	0.98 J	0.5 U	0.5 U	9.4	13.5
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.39 J	0.5 U	5.2	6
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	0.5 U	2.3 J	0.43 J	0.5 U	2.8 J	2.9 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	0.5 U	5.5	5.1	0.69 J	6.5	6.9
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.71 J	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	2.4 J	6.3	2.9 J	1.5 J	2.3 J	4.3 J
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	5.8	150	67.2	10.2	2100	3100
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
<b>8270D (UG/L)</b>						
1,4-DIOXANE	1.1	7.1	6.7	1.1	4.9	5.5



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LOCATION NSAMPLE SAMPLE DATE QC TYPE DUP OF SDG	RE137 RE137-745FT-20181009 10/09/2018 NM	TT101D TT101D-20180928 09/28/2018 NM	TT101D TT-DUP01-20180928 09/28/2018 NM TT101D-20180928	TT101D1 TT101D1-20180928 09/28/2018 NM	TT101D2 TT101D2-20180928 09/28/2018 NM
	J5393	J5189	J5189	J5189	J5189
<b>OV (UG/L)</b>					
1,1,1-TRICHLOROETHANE	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	2.3 J-	0.57 J	0.5 U	0.5 U	0.8 J
1,1,2-TRICHLOROTRIFLUOROETHANE	54.6 J-	17.7	15.2	15	26.4
1,1-DICHLOROETHANE	2.8 J-	1.3 J	1 J	1 J	1.3 J
1,1-DICHLOROETHENE	16.4 J-	7.5	3.4 J	3.5 J	6.9
1,2-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 UJ	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 UJ	2.5 U	5.8 U	4.2 U	2.5 U
BENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	5.8 J-	1.6 J	0.5 U	0.5 U	1.5 J
CHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	3.1 J-	1 J	0.55 J	0.57 J	1 J
CHLOROMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	7.8 J-	2.4 J	3.5 J	3.5 J	2.5 J
CIS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 UJ	1.1 J	1.5 J	1.6 J	0.5 U
ETHYLBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 UJ	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	3.7 J-	0.5 U	0.5 U	0.5 U	1.4 J
TOLUENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	2900 J-	220 J	82.3 J	84.7	870
TRICHLOROFLUOROMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
<b>8270D (UG/L)</b>					
1,4-DIOXANE	4.3	4.5	5.2	6.2	1.6

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U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted detection limit.

J - The result is an estimated value with an unknown bias. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.