

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000850.D
 Acq On : 13 Apr 2018 15:33
 Operator : JC/MD
 Sample : J2133-08 LOO 2.0PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2018

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:58 PM

Quant Time: Apr 14 06:55:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	154053	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	5.51	113	126774	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.73	98	472403	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.15	95	188144	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	5498	1.98	ug/l	96
3) Chloromethane	1.32	50	5046	2.12	ug/l	97
4) Vinyl Chloride	1.40	62	5998	2.24	ug/l	97
5) Bromomethane	1.64	94	3515	1.84	ug/l	94
6) Chloroethane	1.73	64	4979	3.07	ug/l	100
7) Trichlorofluoromethane	1.93	101	8616	2.13	ug/l	100
8) Diethyl Ether	2.19	74	3315	2.20	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5345	2.24	ug/l	94
12) 1,1-Dichloroethene	2.37	96	4730	2.10	ug/l	98
14) Allyl chloride	2.73	41	8523	2.04	ug/l	98
15) Acrylonitrile	3.15	53	14422	12.29	ug/l	98
16) Acetone	2.45	43	13433	12.56	ug/l	99
17) Carbon Disulfide	2.57	76	13671	2.00	ug/l	97
18) Methyl Acetate	2.79	43	7171	2.59	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	16530	2.20	ug/l	97
20) Methylene Chloride	2.86	84	5973	2.40	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	5386	2.16	ug/l	92
22) Diisopropyl ether	3.89	45	17549	2.29	ug/l	93
23) Vinyl Acetate	3.83	43	73536	10.92	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9651	2.24	ug/l	98
25) 2-Butanone	4.73	43	21941	12.42	ug/l	94
26) 2,2-Dichloropropane	4.59	77	8566	2.00	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	6371	2.26	ug/l	96
28) Bromochloromethane	5.03	49	4240	2.45	ug/l #	96
29) Tetrahydrofuran	5.18	42	14749	13.15	ug/l	95
30) Chloroform	5.22	83	9597	2.11	ug/l	99
31) Cyclohexane	5.59	56	9126	2.23	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	9131	2.10	ug/l	99
36) 1,1-Dichloropropene	5.81	75	7679	2.10	ug/l #	72
37) Ethyl Acetate	4.89	43	7861	2.21	ug/l	97
38) Carbon Tetrachloride	5.79	117	8059	1.97	ug/l	98
39) Methylcyclohexane	7.47	83	9137	2.08	ug/l	95
40) Benzene	6.15	78	22125	2.18	ug/l	100
41) Methacrylonitrile	5.08	41	4750	2.31	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.21	62	8381	2.21	ug/l	99
43) Isopropyl Acetate	6.48	43	13177	2.16	ug/l	99
44) Trichloroethene	7.22	130	6736	2.13	ug/l	92
45) 1,2-Dichloropropane	7.52	63	5497	2.13	ug/l	97
46) Dibromomethane	7.67	93	3773	2.09	ug/l	98
47) Bromodichloromethane	7.90	83	6980	1.92	ug/l	93
48) Methyl methacrylate	7.79	41	6863	2.17	ug/l	100
49) 1,4-Dioxane	7.77	88	2771	43.52	ug/l #	92
51) 4-Methyl-2-Pentanone	8.66	43	39941	11.12	ug/l	100
52) Toluene	8.79	92	14105	2.10	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	8094	1.86	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	7283	1.72	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	5744	2.15	ug/l	99
56) Ethyl methacrylate	9.19	69	8659	2.10	ug/l	98
57) 1,3-Dichloropropane	9.38	76	9709	2.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	21836	11.34	ug/l	99
59) 2-Hexanone	9.51	43	31119	11.23	ug/l	99
60) Dibromochloromethane	9.59	129	5404	1.69	ug/l	98
61) 1,2-Dibromoethane	9.68	107	5928	2.09	ug/l	99
64) Tetrachloroethene	9.34	164	6899	2.26	ug/l	96
65) Chlorobenzene	10.15	112	16831	2.15	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	5669	1.92	ug/l	97
67) Ethyl Benzene	10.26	91	27723	2.12	ug/l	99
68) m/p-Xylenes	10.37	106	21435	4.15	ug/l	98
69) o-Xylene	10.71	106	10397	2.09	ug/l	99
70) Styrene	10.72	104	16665	1.99	ug/l	99
71) Bromoform	10.87	173	4687	1.71	ug/l #	96
73) Isopropylbenzene	11.02	105	28427	2.18	ug/l	99
74) N-amyl acetate	6.48	43	13177	2.24	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	8262	2.18	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	7888m	2.22	ug/l	
77) Bromobenzene	11.26	156	8284	2.16	ug/l	96
78) n-propylbenzene	11.37	91	32499	2.17	ug/l	100
79) 2-Chlorotoluene	11.43	91	19349	2.19	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	23618	2.10	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	1953m	1.51	ug/l	
82) 4-Chlorotoluene	11.52	91	22932	2.15	ug/l	99
83) tert-Butylbenzene	11.78	119	24339	2.12	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	24205	2.09	ug/l	100
85) sec-Butylbenzene	11.95	105	29001	2.14	ug/l	99
86) p-Isopropyltoluene	12.07	119	26480	2.09	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	15179	2.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	16026	2.21	ug/l	89
89) n-Butylbenzene	12.40	91	23278	2.09	ug/l	99
90) Hexachloroethane	12.60	117	3555	1.66	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	14581	2.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1855	1.95	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	12526	2.15	ug/l	99
94) Hexachlorobutadiene	13.79	225	6021	2.10	ug/l	97
95) Naphthalene	13.84	128	32097	2.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	11887	2.10	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

