

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX008978.D
 Acq On : 16 Apr 2019 11:35
 Operator : JC/SP
 Sample : K2241-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:58:47 AM

Quant Time: Apr 17 06:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	146829	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.50	113	105014	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	8.71	98	435689	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	151360	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1009	0.416	ug/l	92
3) Chloromethane	1.32	50	1796	0.603	ug/l	97
4) Vinyl Chloride	1.40	62	1390	0.480	ug/l	93
5) Bromomethane	1.64	94	1793	0.952	ug/l	99
6) Chloroethane	1.72	64	1004	0.589	ug/l	94
7) Trichlorofluoromethane	1.93	101	1605	0.474	ug/l	99
8) Diethyl Ether	2.19	74	845	0.546	ug/l	48
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1023	0.473	ug/l	94
10) Methyl Iodide	2.51	142	3492	1.622	ug/l	94
11) Tert butyl alcohol	3.06	59	8039	12.201	ug/l #	94
12) 1,1-Dichloroethene	2.38	96	1081	0.479	ug/l #	67
13) Acrolein	2.29	56	5429	9.537	ug/l	95
14) Allyl chloride	2.73	41	2498	0.507	ug/l	94
15) Acrylonitrile	3.14	53	4075	2.436	ug/l	88
16) Acetone	2.44	43	4192	2.723	ug/l	96
17) Carbon Disulfide	2.57	76	3494	0.498	ug/l #	91
18) Methyl Acetate	2.77	43	2354	0.613	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	3719	0.462	ug/l	97
20) Methylene Chloride	2.85	84	1697	0.645	ug/l	85
21) trans-1,2-Dichloroethene	3.17	96	1368	0.568	ug/l #	82
22) Diisopropyl ether	3.85	45	4688	0.490	ug/l #	95
23) Vinyl Acetate	3.81	43	17013	2.021	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	2506	0.521	ug/l #	92
25) 2-Butanone	4.68	43	5783	2.350	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	1615	0.448	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	1433	0.524	ug/l	96
28) Bromochloromethane	5.02	49	1481	0.664	ug/l #	85
29) Tetrahydrofuran	5.14	42	3757	2.281	ug/l #	75
30) Chloroform	5.21	83	2271	0.528	ug/l	98
31) Cyclohexane	5.58	56	2239	0.474	ug/l #	90
32) 1,1,1-Trichloroethane	5.49	97	1857	0.521	ug/l #	52
36) 1,1-Dichloropropene	5.80	75	1806	0.511	ug/l	96
37) Ethyl Acetate	4.84	43	1731	0.381	ug/l #	95
38) Carbon Tetrachloride	5.78	117	1371	0.458	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1976	0.459	ug/l	94
40) Benzene	6.14	78	4936	0.474	ug/l	97
41) Methacrylonitrile	5.04	41	1376	0.527	ug/l #	46
42) 1,2-Dichloroethane	6.19	62	2353	0.637	ug/l	99
43) Isopropyl Acetate	6.45	43	3572	0.488	ug/l	95
44) Trichloroethene	7.21	130	1240	0.486	ug/l	90
45) 1,2-Dichloropropane	7.51	63	1461	0.505	ug/l #	83
46) Dibromomethane	7.67	93	777	0.462	ug/l	93
47) Bromodichloromethane	7.90	83	1465	0.444	ug/l #	85
48) Methyl methacrylate	7.77	41	1146	0.317	ug/l #	38
49) 1,4-Dioxane	7.74	88	643	9.492	ug/l #	49
51) 4-Methyl-2-Pentanone	8.64	43	9777	2.095	ug/l	97
52) Toluene	8.78	92	3039	0.487	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	1502	0.395	ug/l #	79
54) cis-1,3-Dichloropropene	8.44	75	1773	0.417	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	1175	0.475	ug/l	91
56) Ethyl methacrylate	9.18	69	1827	0.412	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	2026	0.460	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	5385	2.253	ug/l	96
59) 2-Hexanone	9.49	43	7922	2.202	ug/l	97
60) Dibromochloromethane	9.58	129	969	0.408	ug/l	100
61) 1,2-Dibromoethane	9.67	107	1145	0.448	ug/l	100
64) Tetrachloroethene	9.34	164	1112	0.489	ug/l	94
65) Chlorobenzene	10.13	112	2739	0.433	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	976	0.438	ug/l #	61
67) Ethyl Benzene	10.25	91	5071	0.439	ug/l	97
68) m/p-Xylenes	10.36	106	3789	0.902	ug/l	96
69) o-Xylene	10.70	106	1851	0.453	ug/l	88
70) Styrene	10.71	104	2953	0.417	ug/l	91
71) Bromoform	10.85	173	666	0.375	ug/l #	94
73) Isopropylbenzene	11.02	105	4550	0.439	ug/l	89
74) N-amyl acetate	10.90	43	2766	0.465	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	1907	0.504	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	1868m	0.559	ug/l	
77) Bromobenzene	11.26	156	1154	0.441	ug/l	89
78) n-propylbenzene	11.36	91	5195	0.437	ug/l	98
79) 2-Chlorotoluene	11.42	91	3555	0.496	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	3697	0.425	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	484m	0.372	ug/l	
82) 4-Chlorotoluene	11.51	91	3985	0.479	ug/l	96
83) tert-Butylbenzene	11.77	119	3781	0.453	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	3643	0.411	ug/l	88
85) sec-Butylbenzene	11.94	105	4142	0.416	ug/l	98
86) p-Isopropyltoluene	12.07	119	3761	0.411	ug/l #	84
87) 1,3-Dichlorobenzene	12.02	146	2085	0.456	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	2260m	0.487	ug/l	
89) n-Butylbenzene	12.38	91	3219	0.377	ug/l	98
90) Hexachloroethane	12.59	117	549	0.363	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2142	0.474	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	465	0.539	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1342	0.411	ug/l	98
94) Hexachlorobutadiene	13.79	225	732	0.450	ug/l	88
95) Naphthalene	13.83	128	3918	0.375	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	1386	0.431	ug/l	98

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

