

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX032919\
 Data File : VX008543.D
 Acq On : 29 Mar 2019 15:03
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:33 AM

Quant Time: Mar 30 00:47:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404293	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	193530	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	5.50	113	140844	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	8.71	98	555766	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.13	95	197887	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2673	0.961	ug/l	99
3) Chloromethane	1.32	50	4039	0.512	ug/l	96
4) Vinyl Chloride	1.40	62	3629	0.934	ug/l	94
5) Bromomethane	1.64	94	2563	3.019	ug/l	90
6) Chloroethane	1.72	64	6889	2.993	ug/l #	85
7) Trichlorofluoromethane	1.93	101	4171	0.948	ug/l	96
8) Diethyl Ether	2.19	74	2114	1.015	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2790	1.049	ug/l	97
10) Methyl Iodide	2.51	142	2171	4.899	ug/l	98
11) Tert butyl alcohol	3.04	59	4393	5.540	ug/l	95
12) 1,1-Dichloroethene	2.37	96	2817	1.026	ug/l	92
13) Acrolein	2.29	56	2278	3.956	ug/l	87
14) Allyl chloride	2.73	41	6043	0.999	ug/l	98
15) Acrylonitrile	3.14	53	10456	5.029	ug/l	94
16) Acetone	2.44	43	10732	5.738	ug/l	98
17) Carbon Disulfide	2.57	76	9252	0.797	ug/l	99
18) Methyl Acetate	2.78	43	5171	1.151	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	9932	1.004	ug/l	96
20) Methylene Chloride	2.85	84	3924	0.654	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	3074	0.857	ug/l	98
22) Diisopropyl ether	3.86	45	12067	1.013	ug/l	99
23) Vinyl Acetate	3.82	43	47474	4.567	ug/l	97
24) 1,1-Dichloroethane	3.70	63	6185	1.028	ug/l	95
25) 2-Butanone	4.68	43	15713	5.240	ug/l	96
26) 2,2-Dichloropropane	4.58	77	4037	1.009	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	3600	1.072	ug/l	98
29) Tetrahydrofuran	5.13	42	9863	4.990	ug/l	98
30) Chloroform	5.21	83	5658	1.042	ug/l	90
31) Cyclohexane	5.59	56	5961	1.039	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	4397	1.013	ug/l #	50
36) 1,1-Dichloropropene	5.80	75	4780	1.109	ug/l	95
37) Ethyl Acetate	4.84	43	5838	1.045	ug/l #	93
38) Carbon Tetrachloride	5.78	117	3689	1.025	ug/l	97
39) Methylcyclohexane	7.46	83	5190	1.007	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.15	78	13130	1.017	ug/l	98
41) Methacrylonitrile	5.05	41	3165	1.009	ug/l #	87
42) 1,2-Dichloroethane	6.20	62	5558	1.176	ug/l	98
43) Isopropyl Acetate	6.45	43	8573	0.960	ug/l #	94
44) Trichloroethene	7.21	130	2959	0.977	ug/l	96
45) 1,2-Dichloropropane	7.52	63	3873	1.056	ug/l	92
46) Dibromomethane	7.66	93	2228	1.040	ug/l	97
47) Bromodichloromethane	7.90	83	3847	0.938	ug/l #	91
48) Methyl methacrylate	7.77	41	4017	0.899	ug/l #	91
49) 1,4-Dioxane	7.74	88	2067	23.260	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	27842	4.799	ug/l	98
52) Toluene	8.79	92	7834	1.015	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	3825	0.852	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	4561	0.893	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	3022	0.962	ug/l	94
56) Ethyl methacrylate	9.18	69	5323	0.939	ug/l	95
57) 1,3-Dichloropropane	9.37	76	5660	1.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	11259	3.842	ug/l	97
59) 2-Hexanone	9.49	43	21785	4.846	ug/l	98
60) Dibromochloromethane	9.58	129	2506	0.839	ug/l	97
61) 1,2-Dibromoethane	9.68	107	3144	0.981	ug/l	98
64) Tetrachloroethene	9.34	164	2544	1.062	ug/l	96
65) Chlorobenzene	10.13	112	7809	1.015	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	2484	0.936	ug/l #	65
67) Ethyl Benzene	10.25	91	14137	0.974	ug/l	98
68) m/p-Xylenes	10.36	106	9994	1.892	ug/l	98
69) o-Xylene	10.70	106	4975	0.971	ug/l	100
70) Stvrene	10.71	104	8004	0.904	ug/l	98
71) Bromoform	10.86	173	1717	0.819	ug/l #	99
73) Isopropylbenzene	11.02	105	12743	0.999	ug/l	99
74) N-amyl acetate	10.90	43	7114	0.964	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	5128	1.036	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	4660m	1.000	ug/l	
77) Bromobenzene	11.26	156	3104	1.003	ug/l	93
78) n-propylbenzene	11.36	91	14098	0.944	ug/l	100
79) 2-Chlorotoluene	11.42	91	9227	1.015	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	10773	0.999	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1251m	0.860	ug/l	
82) 4-Chlorotoluene	11.51	91	10988	1.048	ug/l	99
83) tert-Butylbenzene	11.77	119	9984	0.960	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	10735	0.984	ug/l	99
85) sec-Butylbenzene	11.94	105	11993	0.968	ug/l	98
86) p-Isopropyltoluene	12.06	119	10350	0.947	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	5674	1.026	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	6045m	1.083	ug/l	
89) n-Butylbenzene	12.38	91	9180	0.887	ug/l	98
90) Hexachloroethane	12.59	117	1670	0.917	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	5665	1.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1040	0.964	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	3802	1.020	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1713	0.968	ug/l	94
95) Naphthalene	13.83	128	12978	1.015	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3643	0.972	ug/l	95

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

