

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011043.D
 Acq On : 22 Jul 2019 20:07
 Operator : JC/SP
 Sample : K3921-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:18 AM

Quant Time: Jul 23 07:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118306	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	5.50	113	104207	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	8.71	98	384676	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	150275	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111418	50.009	ug/l	99
3) Chloromethane	1.32	50	96807	50.384	ug/l	99
4) Vinyl Chloride	1.41	62	105064	53.609	ug/l	99
5) Bromomethane	1.64	94	51133	46.299	ug/l	96
6) Chloroethane	1.71	64	64757	51.995	ug/l	97
7) Trichlorofluoromethane	1.93	101	176008	53.055	ug/l	100
8) Diethyl Ether	2.19	74	60118	52.596	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95032	50.170	ug/l	99
10) Methyl Iodide	2.51	142	131784	53.016	ug/l	99
11) Tert butyl alcohol	3.05	59	126057	243.509	ug/l	98
12) 1,1-Dichloroethene	2.37	96	98811	53.093	ug/l	98
13) Acrolein	2.29	56	75815	253.485	ug/l	100
14) Allyl chloride	2.73	41	143930	53.243	ug/l	98
15) Acrylonitrile	3.14	53	287899	275.226	ug/l	99
16) Acetone	2.45	43	242773	241.825	ug/l	97
17) Carbon Disulfide	2.57	76	227522	47.659	ug/l	100
18) Methyl Acetate	2.78	43	116254	50.856	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	334939	55.905	ug/l	98
20) Methylene Chloride	2.85	84	110264	51.827	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	103107	52.214	ug/l	96
22) Diisopropyl ether	3.86	45	310633	54.484	ug/l #	88
23) Vinyl Acetate	3.81	43	1225050	253.594	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178013	53.762	ug/l	100
25) 2-Butanone	4.67	43	393703	273.193	ug/l	99
26) 2,2-Dichloropropane	4.58	77	124281	45.713	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122404	53.560	ug/l	98
28) Bromochloromethane	5.02	49	81999	52.553	ug/l	99
29) Tetrahydrofuran	5.13	42	253999	278.245	ug/l	100
30) Chloroform	5.21	83	195129	54.522	ug/l	99
31) Cyclohexane	5.58	56	148487	49.200	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	171339	55.336	ug/l	100
36) 1,1-Dichloropropene	5.80	75	135215	51.003	ug/l	100
37) Ethyl Acetate	4.83	43	136087	50.130	ug/l	99
38) Carbon Tetrachloride	5.79	117	147497	53.391	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159357	46.352	ug/l	99
40) Benzene	6.14	78	421366	51.886	ug/l	100
41) Methacrylonitrile	5.04	41	83130	53.943	ug/l	96
42) 1,2-Dichloroethane	6.19	62	151562	53.676	ug/l	99
43) Isopropyl Acetate	6.45	43	230087	51.546	ug/l	99
44) Trichloroethene	7.21	130	122405	50.921	ug/l	94
45) 1,2-Dichloropropane	7.51	63	107028	51.781	ug/l	99
46) Dibromomethane	7.66	93	79468	53.805	ug/l	99
47) Bromodichloromethane	7.90	83	145352	55.285	ug/l	100
48) Methyl methacrylate	7.77	41	118598	54.540	ug/l	98
49) 1,4-Dioxane	7.74	88	56325	925.996	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	808924	279.559	ug/l	100
52) Toluene	8.78	92	273840	51.330	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	152996	54.120	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	166520	52.936	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117771	53.615	ug/l	97
56) Ethyl methacrylate	9.18	69	181745	56.563	ug/l	99
57) 1,3-Dichloropropane	9.37	76	186441	53.503	ug/l	100
59) 2-Hexanone	9.49	43	640251	285.278	ug/l	99
60) Dibromochloromethane	9.58	129	128093	50.635	ug/l	99
61) 1,2-Dibromoethane	9.67	107	126456	54.245	ug/l	100
64) Tetrachloroethene	9.34	164	115912	49.462	ug/l	98
65) Chlorobenzene	10.13	112	313476	51.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	117201	54.503	ug/l	99
67) Ethyl Benzene	10.25	91	544130	52.248	ug/l	100
68) m/p-Xylenes	10.36	106	419740	105.069	ug/l	100
69) o-Xylene	10.69	106	204596	52.477	ug/l	98
70) Styrene	10.71	104	357384	54.988	ug/l	99
71) Bromoform	10.85	173	97216	49.670	ug/l #	100
73) Isopropylbenzene	11.02	105	551367	51.735	ug/l	100
74) N-amyl acetate	10.90	43	206364	50.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	187485	53.755	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	158184m	55.576	ug/l	
77) Bromobenzene	11.26	156	153142	52.094	ug/l	100
78) n-propylbenzene	11.36	91	618019	52.483	ug/l	100
79) 2-Chlorotoluene	11.42	91	371617	52.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	469393	52.709	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52131	46.690	ug/l	97
82) 4-Chlorotoluene	11.51	91	435663	52.915	ug/l	98
83) tert-Butylbenzene	11.77	119	466625	53.345	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	475890	53.019	ug/l	100
85) sec-Butylbenzene	11.94	105	544731	53.146	ug/l	99
86) p-Isopropyltoluene	12.06	119	506761	53.480	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	272269	53.369	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	269820	51.569	ug/l	99
89) n-Butylbenzene	12.38	91	434267	53.569	ug/l	100
90) Hexachloroethane	12.60	117	79752	53.361	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	268726	53.149	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41934	57.519	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	184303	53.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	84601	49.823	ug/l	98
95) Naphthalene	13.83	128	582948	57.612	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	186339	54.654	ug/l	99

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

