

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040920\
 Data File : VX015606.D
 Acq On : 09 Apr 2020 19:00
 Operator : JC/SP
 Sample : L2190-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-200407MSD

Manual Integrations
 APPROVED

sam
 4/10/2020 2:13:08 PM

Quant Time: Apr 10 09:12:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1135481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1766105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1630489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	874162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	770250	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	5.47	113	560294	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.70	98	2081301	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.12	95	859415	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	462076	46.190	ug/l	98
3) Chloromethane	1.31	50	562295	44.137	ug/l	97
4) Vinyl Chloride	1.39	62	698228	59.688	ug/l	99
5) Bromomethane	1.63	94	322297	61.655	ug/l	95
6) Chloroethane	1.71	64	349304	48.146	ug/l	100
7) Trichlorofluoromethane	1.92	101	791002	50.421	ug/l	95
8) Diethyl Ether	2.17	74	316151	47.779	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	500910	48.979	ug/l	98
10) Methyl Iodide	2.49	142	752725	54.591	ug/l	100
11) Tert butyl alcohol	3.01	59	726159	189.439	ug/l	99
12) 1,1-Dichloroethene	2.36	96	523659	48.848	ug/l	96
14) Allyl chloride	2.71	41	1106531	44.175	ug/l	97
15) Acrylonitrile	3.12	53	1693412	231.650	ug/l	99
16) Acetone	2.42	43	1577196	229.234	ug/l	98
17) Carbon Disulfide	2.55	76	1376080	42.079	ug/l	99
18) Methyl Acetate	2.75	43	817373	46.546	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1938715	46.630	ug/l	99
20) Methylene Chloride	2.84	84	582507	45.326	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	581378	48.866	ug/l	98
22) Diisopropyl ether	3.83	45	2078896	46.837	ug/l	98
23) Vinyl Acetate	3.79	43	8965438	223.092	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1075374	46.016	ug/l	99
25) 2-Butanone	4.64	43	2434279	219.999	ug/l	98
26) 2,2-Dichloropropane	4.56	77	843555	43.976	ug/l #	51
27) cis-1,2-Dichloroethene	4.57	96	5906985	429.144	ug/l	91
28) Bromochloromethane	4.99	49	556976	49.918	ug/l	98
29) Tetrahydrofuran	5.09	42	1588548	223.319	ug/l	99
30) Chloroform	5.19	83	1069039	47.547	ug/l	97
31) Cyclohexane	5.55	56	950101	46.865	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	967915	47.569	ug/l	99
36) 1,1-Dichloropropene	5.78	75	796682	48.958	ug/l	99
37) Ethyl Acetate	4.79	43	954732	45.060	ug/l #	82
38) Carbon Tetrachloride	5.76	117	852240	48.354	ug/l	99
39) Methylcyclohexane	7.44	83	917751	48.914	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.12	78	2296855	48.185	ug/l	99
41) Methacrylonitrile	5.01	41	566329	48.149	ug/l	99
42) 1,2-Dichloroethane	6.17	62	932178	48.686	ug/l	99
43) Isopropyl Acetate	6.42	43	1654238	46.249	ug/l	100
44) Trichloroethene	7.19	130	2076662	159.743	ug/l	96
45) 1,2-Dichloropropane	7.50	63	618665	47.444	ug/l	99
46) Dibromomethane	7.64	93	406451	47.517	ug/l	96
47) Bromodichloromethane	7.88	83	874135	47.959	ug/l	96
48) Methyl methacrylate	7.75	41	840577	47.050	ug/l	99
49) 1,4-Dioxane	7.72	88	263602	790.924	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	4835908	238.570	ug/l	100
52) Toluene	8.77	92	1467242	49.927	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	1005820	47.053	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	1035603	47.559	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	601694	49.973	ug/l	96
56) Ethyl methacrylate	9.16	69	1020429	48.089	ug/l	99
57) 1,3-Dichloropropane	9.36	76	1029978	47.480	ug/l	99
59) 2-Hexanone	9.48	43	3659619	239.133	ug/l	100
60) Dibromochloromethane	9.57	129	700511	48.417	ug/l	98
61) 1,2-Dibromoethane	9.65	107	644770	49.249	ug/l	99
64) Tetrachloroethene	9.32	164	1931982	157.009	ug/l	96
65) Chlorobenzene	10.12	112	1575524	48.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	636734	49.015	ug/l	98
67) Ethyl Benzene	10.24	91	2830251	49.075	ug/l	99
68) m/p-Xylenes	10.34	106	2130714	99.218	ug/l	99
69) o-Xylene	10.68	106	1033191	48.688	ug/l	99
70) Styrene	10.70	104	1817479	48.671	ug/l	99
71) Bromoform	10.84	173	568879	48.104	ug/l #	100
73) Isopropylbenzene	11.01	105	2796233	48.819	ug/l	100
74) N-amyl acetate	10.89	43	1423906	44.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	917312	46.673	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	848567m	47.204	ug/l	
77) Bromobenzene	11.24	156	752043	49.224	ug/l	95
78) n-propylbenzene	11.35	91	3182421	48.591	ug/l	99
79) 2-Chlorotoluene	11.40	91	1896690	47.248	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2363481	48.317	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	329796	44.020	ug/l	98
82) 4-Chlorotoluene	11.50	91	2277771	48.401	ug/l	100
83) tert-Butylbenzene	11.76	119	2316104	48.474	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2394521	48.037	ug/l	98
85) sec-Butylbenzene	11.93	105	2683000	48.552	ug/l	99
86) p-Isopropyltoluene	12.05	119	2550599	49.718	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1361454	49.778	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	1353929	48.599	ug/l	99
89) n-Butylbenzene	12.37	91	2260424	48.759	ug/l	99
90) Hexachloroethane	12.58	117	444745	44.541	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	1298382	48.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	240080	43.280	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	1007383	47.581	ug/l	99
94) Hexachlorobutadiene	13.77	225	461324	45.766	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.82	128	3032118	46.950	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1002824	49.196	ug/l	99

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

