

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015875.D
 Acq On : 23 Apr 2020 05:28
 Operator : JC/SP
 Sample : L2380-12MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW079-200421MS

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 12:16:45 PM

Quant Time: Apr 23 08:18:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	960361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1467798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1396248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	699316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	545227	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	5.47	113	429819	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.70	98	1648087	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.12	95	668314	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	465070	56.574	ug/l	97
3) Chloromethane	1.31	50	399835	47.491	ug/l	97
4) Vinyl Chloride	1.39	62	491047	50.390	ug/l	100
5) Bromomethane	1.62	94	156696	47.943	ug/l	95
6) Chloroethane	1.71	64	293528	52.858	ug/l	99
7) Trichlorofluoromethane	1.92	101	631511	52.231	ug/l	98
8) Diethyl Ether	2.17	74	252795	51.558	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	403810	49.234	ug/l	100
10) Methyl Iodide	2.49	142	347116	34.256	ug/l	99
11) Tert butyl alcohol	3.01	59	587977	263.465	ug/l	100
12) 1,1-Dichloroethene	2.36	96	425109	50.538	ug/l	96
13) Acrolein	2.27	56	235451	178.305	ug/l #	67
14) Allyl chloride	2.71	41	871046	48.731	ug/l	99
15) Acrylonitrile	3.12	53	1395725	269.438	ug/l	99
16) Acetone	2.42	43	1184250	249.000	ug/l	98
17) Carbon Disulfide	2.55	76	1165178	38.144	ug/l	99
18) Methyl Acetate	2.75	43	774815	49.348	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	2129640	71.716	ug/l #	49
20) Methylene Chloride	2.84	84	479354	49.648	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	466551	49.990	ug/l	98
22) Diisopropyl ether	3.83	45	1658258	51.472	ug/l	93
23) Vinyl Acetate	3.79	43	6853109	257.017	ug/l	100
24) 1,1-Dichloroethane	3.67	63	864405	51.478	ug/l	100
25) 2-Butanone	4.64	43	1922059	255.684	ug/l	99
26) 2,2-Dichloropropane	4.56	77	530624	35.375	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	538582	50.831	ug/l	96
28) Bromochloromethane	4.98	49	394561	44.781	ug/l #	98
29) Tetrahydrofuran	5.09	42	1272157	255.853	ug/l	99
30) Chloroform	5.18	83	928630	54.966	ug/l	98
31) Cyclohexane	5.56	56	1886680	118.226	ug/l	92
32) 1,1,1-Trichloroethane	5.47	97	764884	50.777	ug/l	99
36) 1,1-Dichloropropene	5.78	75	654422	50.293	ug/l	98
37) Ethyl Acetate	4.79	43	813393	52.523	ug/l	98
38) Carbon Tetrachloride	5.76	117	656912	51.252	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2311041	140.248	ug/l	98
40) Benzene	6.12	78	9436952	240.793	ug/l	98
41) Methacrylonitrile	5.01	41	470295	54.652	ug/l	97
42) 1,2-Dichloroethane	6.17	62	753074	53.362	ug/l	94
43) Isopropyl Acetate	6.42	43	1350748	51.708	ug/l	98
44) Trichloroethene	7.19	130	636785	46.234	ug/l	91
45) 1,2-Dichloropropane	7.50	63	524162	51.035	ug/l	99
46) Dibromomethane	7.64	93	355809	47.457	ug/l #	87
47) Bromodichloromethane	7.88	83	665839	49.921	ug/l	98
48) Methyl methacrylate	7.75	41	824831	64.190	ug/l #	87
49) 1,4-Dioxane	7.72	88	214902	884.928	ug/l #	94
51) 4-Methyl-2-Pentanone	8.62	43	3877939	257.185	ug/l	99
52) Toluene	8.77	92	1309986	52.148	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	778596	47.047	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	809236	46.266	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	484258	49.368	ug/l	97
56) Ethyl methacrylate	9.16	69	915377	55.093	ug/l	90
57) 1,3-Dichloropropane	9.35	76	848443	49.775	ug/l	99
59) 2-Hexanone	9.48	43	2834561	246.766	ug/l	98
60) Dibromochloromethane	9.57	129	543115	53.615	ug/l	96
61) 1,2-Dibromoethane	9.65	107	535203	49.368	ug/l	99
64) Tetrachloroethene	9.32	164	765738	40.687	ug/l	90
65) Chlorobenzene	10.12	112	1363946	48.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	512667	49.122	ug/l	96
67) Ethyl Benzene	10.23	91	18975343	387.010	ug/l #	24
68) m/p-Xylenes	10.35	106	8302153	451.113	ug/l	78
69) o-Xylene	10.68	106	5661444	312.610	ug/l	92
70) Stvrene	10.70	104	1738151	55.429	ug/l #	54
71) Bromoform	10.84	173	370427	54.468	ug/l #	99
73) Isopropylbenzene	11.00	105	14761837	332.373	ug/l #	74
74) N-amyl acetate	10.89	43	1155143	50.381	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	542497	57.716	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	612449m	46.056	ug/l	
77) Bromobenzene	11.24	156	594550	48.994	ug/l	96
78) n-propylbenzene	11.34	91	15807928	310.704	ug/l #	63
79) 2-Chlorotoluene	11.41	91	1759391	57.569	ug/l	94
80) 1,3,5-Trimethylbenzene	11.49	105	10674359	281.863	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.06	75	217143	39.280	ug/l	97
82) 4-Chlorotoluene	11.49	91	2744737	75.579	ug/l	79
83) tert-Butylbenzene	11.76	119	1746477	51.990	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	17189034m	437.193	ug/l	
85) sec-Butylbenzene	11.93	105	3344208	75.519	ug/l	85
86) p-Isopropyltoluene	12.05	119	2449651	59.159	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1065723	47.842	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	1073603	48.146	ug/l	97
89) n-Butylbenzene	12.37	91	3296182	89.034	ug/l #	68
90) Hexachloroethane	12.58	117	613041	140.145	ug/l #	48
91) 1,2-Dichlorobenzene	12.38	146	1011681	47.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	231069	82.897	ug/l	63
93) 1,2,4-Trichlorobenzene	13.63	180	802721	48.220	ug/l #	92

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	356280	47.734	ug/l	93
95) Naphthalene	13.82	128	12922849	269.823	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.01	180	789621	48.618	ug/l	96

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

