

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072319\
 Data File : VX011049.D
 Acq On : 23 Jul 2019 10:55
 Operator : JC/SP
 Sample : K3591-09 0.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT3-2019 DL

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:06:46 PM

Quant Time: Jul 24 05:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:29:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	216324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	140874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110907	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	5.49	113	97402	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.71	98	365527	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.13	95	129625	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	664	0.329	ug/l 99
3) Chloromethane	1.33	50	1062	0.534	ug/l 99
4) Vinyl Chloride	1.41	62	824	0.406	ug/l # 70
5) Bromomethane	1.64	94	1049	0.917	ug/l 94
6) Chloroethane	1.73	64	2108	1.635	ug/l # 65
7) Trichlorofluoromethane	1.93	101	1619	0.471	ug/l 88
8) Diethyl Ether	2.19	74	860	0.727	ug/l 56
9) 1,1,2-Trichlorotrifluoroet	2.39	101	998	0.509	ug/l 95
10) Methyl Iodide	2.51	142	1181	0.459	ug/l # 88
11) Tert butyl alcohol	3.01	59	6584	12.284	ug/l # 84
12) 1,1-Dichloroethene	2.37	96	904	0.469	ug/l # 80
13) Acrolein	2.29	56	763	2.464	ug/l # 59
14) Allyl chloride	2.73	41	1212	0.433	ug/l # 88
15) Acrylonitrile	3.14	53	2779	2.566	ug/l 90
16) Acetone	2.44	43	3076	2.959	ug/l 100
17) Carbon Disulfide	2.57	76	2289	0.463	ug/l 99
18) Methyl Acetate	2.78	43	2124	0.897	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	3090	0.498	ug/l 98
20) Methylene Chloride	2.86	84	1522	0.691	ug/l # 78
21) trans-1,2-Dichloroethene	3.17	96	995	0.487	ug/l 91
22) Diisopropyl ether	3.85	45	3054	0.517	ug/l # 80
23) Vinyl Acetate	3.82	43	9651	1.930	ug/l 99
24) 1,1-Dichloroethane	3.69	63	1797	0.524	ug/l # 92
25) 2-Butanone	4.68	43	4109	2.754	ug/l 97
26) 2,2-Dichloropropane	4.58	77	1299	0.461	ug/l 88
27) cis-1,2-Dichloroethene	4.61	96	1110m	0.469	ug/l
28) Bromochloromethane	5.02	49	1026	0.635	ug/l # 73
29) Tetrahydrofuran	5.15	42	2381	2.519	ug/l # 86
30) Chloroform	5.21	83	2567	0.693	ug/l 89
31) Cyclohexane	5.58	56	1509	0.483	ug/l # 65
32) 1,1,1-Trichloroethane	5.49	97	1635	0.510	ug/l # 36
36) 1,1-Dichloropropene	5.79	75	1528	0.577	ug/l 94
37) Ethyl Acetate	4.83	43	1266	0.467	ug/l # 86
38) Carbon Tetrachloride	5.79	117	1376	0.498	ug/l # 77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1642	0.478	ug/l	92
40) Benzene	6.14	78	4183	0.515	ug/l	100
41) Methacrylonitrile	5.05	41	1050	0.682	ug/l #	80
42) 1,2-Dichloroethane	6.19	62	1630	0.578	ug/l	93
43) Isopropyl Acetate	6.45	43	1900	0.426	ug/l #	67
44) Trichloroethene	7.21	130	1180	0.491	ug/l	82
45) 1,2-Dichloropropane	7.51	63	1211	0.586	ug/l	91
46) Dibromomethane	7.66	93	784	0.531	ug/l	96
47) Bromodichloromethane	7.90	83	1248	0.475	ug/l #	79
48) Methyl methacrylate	7.77	41	1173	0.540	ug/l #	74
49) 1,4-Dioxane	7.76	88	608	10.000	ug/l #	57
51) 4-Methyl-2-Pentanone	8.64	43	6503	2.248	ug/l	98
52) Toluene	8.79	92	2558	0.480	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1124	0.398	ug/l #	85
54) cis-1,3-Dichloropropene	8.44	75	1260	0.401	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	1085	0.494	ug/l	94
56) Ethyl methacrylate	9.18	69	1550	0.483	ug/l #	87
57) 1,3-Dichloropropane	9.37	76	1764	0.506	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	3235	2.110	ug/l	94
59) 2-Hexanone	9.49	43	4825	2.151	ug/l	93
60) Dibromochloromethane	9.58	129	957	0.430	ug/l	100
61) 1,2-Dibromoethane	9.67	107	1002	0.430	ug/l	85
64) Tetrachloroethene	9.33	164	1389	0.619	ug/l #	76
65) Chlorobenzene	10.14	112	2911	0.497	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	1007	0.489	ug/l #	62
67) Ethyl Benzene	10.25	91	4884	0.490	ug/l	99
68) m/p-Xylenes	10.36	106	3598	0.941	ug/l	95
69) o-Xylene	10.69	106	1782	0.477	ug/l	98
70) Styrene	10.71	104	2609	0.419	ug/l	95
71) Bromoform	10.85	173	686	0.418	ug/l #	90
73) Isopropylbenzene	11.02	105	4673	0.491	ug/l	98
74) N-amyl acetate	10.90	43	1436	0.395	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.26	83	1457	0.468	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	1316m	0.518	ug/l	
77) Bromobenzene	11.26	156	1359	0.518	ug/l	94
78) n-propylbenzene	11.36	91	4924	0.468	ug/l	94
79) 2-Chlorotoluene	11.42	91	3251	0.515	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	3661	0.460	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	358m	0.387	ug/l	
82) 4-Chlorotoluene	11.51	91	3522	0.479	ug/l	96
83) tert-Butylbenzene	11.76	119	3797	0.486	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	3846	0.480	ug/l	100
85) sec-Butylbenzene	11.94	105	4059	0.443	ug/l	96
86) p-Isopropyltoluene	12.06	119	3540	0.418	ug/l #	75
87) 1,3-Dichlorobenzene	12.02	146	2484	0.545	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	2647m	0.566	ug/l	
89) n-Butylbenzene	12.38	91	3010	0.416	ug/l	96
90) Hexachloroethane	12.60	117	548	0.411	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2294	0.508	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	324	0.498	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1730	0.565	ug/l	87
94) Hexachlorobutadiene	13.78	225	782	0.516	ug/l	96
95) Naphthalene	13.83	128	3903	0.432	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.02	180	1643	0.540	ug/l	95

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

