

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017369.D
 Acq On : 14 Jul 2020 11:26
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:11 AM

Quant Time: Jul 15 02:59:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	296233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	454870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	427655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	212497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	180589	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
35) Dibromofluoromethane	5.46	113	146609	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.70	98	505981	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
62) 4-Bromofluorobenzene	11.12	95	185884	42.34	ug/l	0.00
Spiked Amount			Recovery	=	84.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1743	0.695	ug/l	96
3) Chloromethane	1.32	50	2360	0.836	ug/l	99
4) Vinyl Chloride	1.39	62	2222	0.796	ug/l	94
5) Bromomethane	1.64	94	2041	1.123	ug/l	89
6) Chloroethane	1.72	64	1555	0.882	ug/l	93
7) Trichlorofluoromethane	1.92	101	3561	0.756	ug/l	91
8) Diethyl Ether	2.17	74	1667	1.001	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1936	0.721	ug/l #	88
10) Methyl Iodide	2.50	142	1906	0.585	ug/l #	89
11) Tert butyl alcohol	3.02	59	2349	3.750	ug/l	96
12) 1,1-Dichloroethene	2.36	96	2417	0.897	ug/l	91
13) Acrolein	2.28	56	1294	3.768	ug/l	96
14) Allyl chloride	2.71	41	3615	0.774	ug/l	96
15) Acrylonitrile	3.12	53	5971	3.932	ug/l	99
16) Acetone	2.42	43	5311	4.004	ug/l	98
17) Carbon Disulfide	2.55	76	6489	0.825	ug/l #	88
18) Methyl Acetate	2.75	43	2786	0.850	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	6576	0.718	ug/l #	84
20) Methylene Chloride	2.83	84	3060	0.946	ug/l #	91
21) trans-1,2-Dichloroethene	3.15	96	2634	0.854	ug/l #	76
22) Diisopropyl ether	3.83	45	5961	0.670	ug/l #	93
23) Vinyl Acetate	3.79	43	24641	3.149	ug/l	99
24) 1,1-Dichloroethane	3.67	63	4124	0.789	ug/l #	86
25) 2-Butanone	4.64	43	8010	3.802	ug/l	95
26) 2,2-Dichloropropane	4.55	77	3861	0.793	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	2710	0.801	ug/l	76
28) Bromochloromethane	4.98	49	2163	0.895	ug/l #	82
29) Tetrahydrofuran	5.10	42	5074	3.721	ug/l #	89
30) Chloroform	5.18	83	4508	0.801	ug/l	96
31) Cyclohexane	5.54	56	2687	0.628	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	4114	0.791	ug/l #	42
36) 1,1-Dichloropropene	5.78	75	3422	0.818	ug/l #	66
37) Ethyl Acetate	4.80	43	3438	0.795	ug/l #	81
38) Carbon Tetrachloride	5.76	117	3901	0.796	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	3114	0.685	ug/l	88
40) Benzene	6.11	78	9396	0.781	ug/l	99
41) Methacrylonitrile	5.01	41	1740	0.749	ug/l #	64
42) 1,2-Dichloroethane	6.15	62	4297	0.920	ug/l	92
43) Isopropyl Acetate	6.42	43	5370	0.777	ug/l #	95
44) Trichloroethene	7.19	130	2859	0.778	ug/l	96
45) 1,2-Dichloropropane	7.49	63	2510	0.816	ug/l	96
46) Dibromomethane	7.63	93	1665	0.750	ug/l	91
47) Bromodichloromethane	7.87	83	3496	0.754	ug/l #	79
48) Methyl methacrylate	7.74	41	2665	0.803	ug/l #	82
49) 1,4-Dioxane	7.73	88	1349	19.868	ug/l #	86
51) 4-Methyl-2-Pentanone	8.62	43	12459	2.955	ug/l	97
52) Toluene	8.76	92	5878	0.762	ug/l	90
53) t-1,3-Dichloropropene	9.02	75	3368	0.674	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	3448	0.647	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	2529	0.786	ug/l	88
56) Ethyl methacrylate	9.16	69	2649	0.580	ug/l #	81
57) 1,3-Dichloropropane	9.35	76	3624	0.677	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.29	63	6566	2.831	ug/l	100
59) 2-Hexanone	9.48	43	9138	2.872	ug/l	96
60) Dibromochloromethane	9.56	129	2593	0.660	ug/l	95
61) 1,2-Dibromoethane	9.66	107	2414	0.690	ug/l	96
64) Tetrachloroethene	9.32	164	2773	0.749	ug/l	96
65) Chlorobenzene	10.12	112	6326	0.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	2519	0.728	ug/l #	62
67) Ethyl Benzene	10.24	91	8792	0.608	ug/l	91
68) m/p-Xylenes	10.34	106	6613	1.201	ug/l	98
69) o-Xylene	10.68	106	3148	0.598	ug/l	95
70) Styrene	10.70	104	4869	0.539	ug/l	94
71) Bromoform	10.84	173	1944	0.666	ug/l #	97
73) Isopropylbenzene	11.00	105	7766	0.583	ug/l	92
74) N-amyl acetate	10.88	43	3437	0.645	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	3249	0.803	ug/l	96
76) 1,2,3-Trichloropropane	11.28	75	2444m	0.622	ug/l	
77) Bromobenzene	11.24	156	3061	0.807	ug/l	91
78) n-propylbenzene	11.34	91	9841	0.658	ug/l	96
79) 2-Chlorotoluene	11.40	91	6478	0.703	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	7041	0.623	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	1144m	0.739	ug/l	
82) 4-Chlorotoluene	11.49	91	8057	0.737	ug/l	93
83) tert-Butylbenzene	11.76	119	6371	0.583	ug/l	89
84) 1,2,4-Trimethylbenzene	11.79	105	6247	0.547	ug/l	97
85) sec-Butylbenzene	11.93	105	7414	0.579	ug/l	98
86) p-Isopropyltoluene	12.05	119	7010	0.579	ug/l #	83
87) 1,3-Dichlorobenzene	12.01	146	4916	0.724	ug/l	95
88) 1,4-Dichlorobenzene	12.08	146	5668m	0.827	ug/l	
89) n-Butylbenzene	12.37	91	6440	0.624	ug/l	97
90) Hexachloroethane	12.58	117	1641	0.714	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	4263	0.668	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	760	0.712	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2970	0.671	ug/l	94
94) Hexachlorobutadiene	13.76	225	1596	0.884	ug/l	96
95) Naphthalene	13.82	128	7553	0.580	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	2837	0.663	ug/l	96

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

