

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017356.D
 Acq On : 13 Jul 2020 16:28
 Operator : JC/SP
 Sample : L3216-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:01 AM

Quant Time: Jul 14 03:35:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 03:17:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	334565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	529795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238251	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	195306	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.47	113	159079	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	
50) Toluene-d8	8.70	98	573053	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
62) 4-Bromofluorobenzene	11.12	95	210313	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1514	0.535	ug/l	82
3) Chloromethane	1.32	50	2377	0.746	ug/l	93
4) Vinyl Chloride	1.40	62	1907	0.605	ug/l	94
5) Bromomethane	1.64	94	1881	0.916	ug/l	98
6) Chloroethane	1.72	64	1172	0.589	ug/l #	29
7) Trichlorofluoromethane	1.92	101	2928	0.550	ug/l	91
8) Diethyl Ether	2.17	74	1428	0.759	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1700	0.561	ug/l #	90
10) Methyl Iodide	2.50	142	1733	0.471	ug/l	96
11) Tert butyl alcohol	3.01	59	2058	2.909	ug/l #	70
12) 1,1-Dichloroethene	2.36	96	2459	0.808	ug/l #	79
13) Acrolein	2.27	56	1473	3.798	ug/l	94
14) Allyl chloride	2.71	41	2930	0.555	ug/l	89
15) Acrylonitrile	3.12	53	5504	3.209	ug/l	99
16) Acetone	2.42	43	5377	3.589	ug/l	92
17) Carbon Disulfide	2.55	76	6777	0.763	ug/l #	95
18) Methyl Acetate	2.75	43	2621	0.708	ug/l #	88
19) Methyl tert-butyl Ether	3.17	73	5985	0.579	ug/l	92
20) Methylene Chloride	2.84	84	3613	0.989	ug/l	87
21) trans-1,2-Dichloroethene	3.14	96	2119	0.608	ug/l	89
22) Diisopropyl ether	3.83	45	5660	0.563	ug/l #	75
23) Vinyl Acetate	3.79	43	21695	2.455	ug/l #	92
24) 1,1-Dichloroethane	3.67	63	3250	0.550	ug/l #	87
25) 2-Butanone	4.65	43	7694	3.234	ug/l	97
26) 2,2-Dichloropropane	4.55	77	3039	0.553	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	2616	0.685	ug/l	90
28) Bromochloromethane	4.98	49	1874	0.687	ug/l #	85
29) Tetrahydrofuran	5.10	42	4273	2.774	ug/l	95
30) Chloroform	5.18	83	3689	0.581	ug/l	100
31) Cyclohexane	5.55	56	3120	0.645	ug/l #	70
32) 1,1,1-Trichloroethane	5.47	97	3363m	0.573	ug/l	
36) 1,1-Dichloropropene	5.78	75	2926	0.600	ug/l	91
37) Ethyl Acetate	4.81	43	3183	0.632	ug/l #	82
38) Carbon Tetrachloride	5.76	117	2916	0.511	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3431	0.648	ug/l	94
40) Benzene	6.12	78	7843	0.560	ug/l	99
41) Methacrylonitrile	5.03	41	1823m	0.674	ug/l	
42) 1,2-Dichloroethane	6.15	62	3786	0.696	ug/l	97
43) Isopropyl Acetate	6.42	43	4932	0.612	ug/l	97
44) Trichloroethene	7.20	130	2539	0.594	ug/l	89
45) 1,2-Dichloropropane	7.49	63	2361	0.659	ug/l	90
46) Dibromomethane	7.64	93	1533	0.593	ug/l	98
47) Bromodichloromethane	7.87	83	2941	0.544	ug/l #	94
48) Methyl methacrylate	7.75	41	2266	0.586	ug/l #	88
49) 1,4-Dioxane	7.73	88	957	12.101	ug/l #	72
51) 4-Methyl-2-Pentanone	8.62	43	11076	2.256	ug/l	96
52) Toluene	8.77	92	5173	0.576	ug/l	92
53) t-1,3-Dichloropropene	9.02	75	3340	0.574	ug/l	94
54) cis-1,3-Dichloropropene	8.42	75	3261	0.525	ug/l #	90
55) 1,1,2-Trichloroethane	9.20	97	2123	0.566	ug/l #	81
56) Ethyl methacrylate	9.16	69	2393	0.450	ug/l #	83
57) 1,3-Dichloropropane	9.35	76	3539	0.568	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	5736	2.123	ug/l	94
59) 2-Hexanone	9.48	43	8264	2.230	ug/l	96
60) Dibromochloromethane	9.57	129	2122	0.463	ug/l	98
61) 1,2-Dibromoethane	9.65	107	2191	0.537	ug/l	95
64) Tetrachloroethene	9.32	164	2793	0.659	ug/l	88
65) Chlorobenzene	10.12	112	5976	0.601	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	2258	0.570	ug/l #	67
67) Ethyl Benzene	10.24	91	8144	0.492	ug/l	98
68) m/p-Xylenes	10.34	106	6514	1.033	ug/l	93
69) o-Xylene	10.68	106	2835	0.471	ug/l	94
70) Styrene	10.70	104	4702	0.455	ug/l	92
71) Bromoform	10.84	173	1533	0.459	ug/l #	90
73) Isopropylbenzene	11.00	105	7465	0.500	ug/l	98
74) N-amyl acetate	10.88	43	3009	0.503	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	2964	0.654	ug/l	91
76) 1,2,3-Trichloropropane	11.28	75	3176m	0.721	ug/l	
77) Bromobenzene	11.24	156	2732	0.642	ug/l	99
78) n-propylbenzene	11.35	91	8789	0.524	ug/l	100
79) 2-Chlorotoluene	11.40	91	5887	0.570	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	6586	0.519	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.06	75	1184m	0.682	ug/l	
82) 4-Chlorotoluene	11.49	91	7165	0.585	ug/l	96
83) tert-Butylbenzene	11.76	119	6285	0.513	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	6243	0.487	ug/l	92
85) sec-Butylbenzene	11.93	105	6484	0.452	ug/l	96
86) p-Isopropyltoluene	12.05	119	6435	0.474	ug/l	84
87) 1,3-Dichlorobenzene	12.01	146	4691	0.616	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	5554m	0.722	ug/l	
89) n-Butylbenzene	12.37	91	6216	0.537	ug/l	95
90) Hexachloroethane	12.58	117	1363	0.529	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	4484	0.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	785	0.656	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3120	0.629	ug/l	92
94) Hexachlorobutadiene	13.76	225	1453	0.718	ug/l	93
95) Naphthalene	13.82	128	7236	0.496	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.01	180	2880	0.601	ug/l	92

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

