

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062407.D
 Acq On : 8 Jul 2020 15:01
 Operator : JC/MD
 Sample : L3216-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:01 AM

Quant Time: Jul 09 04:01:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	285095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	144556	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
35) Dibromofluoromethane	7.55	113	99891	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
50) Toluene-d8	10.06	98	379521	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.38	95	124961	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	998	0.544	ug/l	97
3) Chloromethane	2.04	50	1867	0.634	ug/l	95
4) Vinyl Chloride	2.16	62	1402	0.581	ug/l	93
5) Bromomethane	2.54	94	1076	0.830	ug/l	98
6) Chloroethane	2.67	64	848	0.604	ug/l	92
7) Trichlorofluoromethane	2.98	101	1743	0.569	ug/l	96
8) Diethyl Ether	3.37	74	679	0.496	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.72	101	851	0.469	ug/l #	83
10) Methyl Iodide	3.91	142	618m	0.258	ug/l	
11) Tert butyl alcohol	4.73	59	1177m	2.560	ug/l	
12) 1,1-Dichloroethene	3.70	96	1221	0.660	ug/l #	59
13) Acrolein	3.57	56	899	2.711	ug/l #	73
14) Allyl chloride	4.28	41	2602	0.598	ug/l #	86
15) Acrylonitrile	4.95	53	3027	2.511	ug/l #	80
16) Acetone	3.79	43	4170	3.544	ug/l	99
17) Carbon Disulfide	4.01	76	4352	0.751	ug/l #	94
18) Methyl Acetate	4.28	43	2123m	0.723	ug/l	
19) Methyl tert-butyl Ether	4.99	73	3753	0.535	ug/l	99
20) Methylene Chloride	4.51	84	1945	0.773	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	1291m	0.644	ug/l	
22) Diisopropyl ether	5.90	45	4667	0.543	ug/l #	77
23) Vinyl Acetate	5.85	43	18054	2.536	ug/l	96
24) 1,1-Dichloroethane	5.80	63	2321	0.523	ug/l #	85
25) 2-Butanone	6.81	43	4735m	2.756	ug/l	
26) 2,2-Dichloropropane	6.79	77	1979m	0.581	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	1063	0.458	ug/l	73
28) Bromochloromethane	7.16	49	1144	0.474	ug/l #	80
29) Tetrahydrofuran	7.17	42	3254m	2.813	ug/l	
30) Chloroform	7.33	83	2310	0.576	ug/l #	79
31) Cyclohexane	7.63	56	6847	1.627	ug/l #	1
32) 1,1,1-Trichloroethane	7.53	97	1639	0.492	ug/l #	52
36) 1,1-Dichloropropene	7.75	75	1702	0.527	ug/l #	80
37) Ethyl Acetate	6.89	43	2479m	0.656	ug/l	
38) Carbon Tetrachloride	7.73	117	1500	0.516	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	1934	0.561	ug/l #	82
40) Benzene	8.00	78	4942	0.519	ug/l	95
41) Methacrylonitrile	7.12	41	998m	0.632	ug/l	
42) 1,2-Dichloroethane	8.09	62	2346	0.673	ug/l #	78
43) Isopropyl Acetate	8.13	43	2913	0.488	ug/l #	80
44) Trichloroethene	8.80	130	1108	0.524	ug/l	85
45) 1,2-Dichloropropane	9.08	63	1468	0.531	ug/l	99
46) Dibromomethane	9.17	93	778	0.499	ug/l	87
47) Bromodichloromethane	9.37	83	1691	0.507	ug/l #	97
48) Methyl methacrylate	9.17	41	1527	0.522	ug/l	92
49) 1,4-Dioxane	9.17	88	464	10.889	ug/l #	51
51) 4-Methyl-2-Pentanone	9.95	43	8765	2.459	ug/l	96
52) Toluene	10.12	92	3078	0.560	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	1782	0.477	ug/l #	67
54) cis-1,3-Dichloropropene	9.81	75	1920	0.466	ug/l #	85
55) 1,1,2-Trichloroethane	10.53	97	1140	0.527	ug/l #	83
56) Ethyl methacrylate	10.40	69	1492	0.413	ug/l	95
57) 1,3-Dichloropropane	10.68	76	2095	0.524	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.66	63	2423	1.888	ug/l #	88
59) 2-Hexanone	10.73	43	6383	2.466	ug/l	82
60) Dibromochloromethane	10.88	129	1010	0.431	ug/l	81
61) 1,2-Dibromoethane	10.98	107	995	0.456	ug/l	85
64) Tetrachloroethene	10.60	164	1065	0.630	ug/l	93
65) Chlorobenzene	11.41	112	3174	0.573	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.48	131	1070	0.524	ug/l #	59
67) Ethyl Benzene	11.48	91	5493	0.528	ug/l	97
68) m/p-Xylenes	11.60	106	3520	0.956	ug/l	92
69) o-Xylene	11.92	106	1749	0.488	ug/l	97
70) Styrene	11.94	104	2524	0.426	ug/l	96
71) Bromoform	12.10	173	771	0.515	ug/l #	75
73) Isopropylbenzene	12.22	105	4765	0.587	ug/l	95
74) N-amyl acetate	12.05	43	2055	0.520	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.48	83	1648	0.603	ug/l #	96
76) 1,2,3-Trichloropropane	12.53	75	1757m	0.682	ug/l	
77) Bromobenzene	12.51	156	1262	0.683	ug/l	87
78) n-propylbenzene	12.57	91	5634	0.594	ug/l	97
79) 2-Chlorotoluene	12.65	91	3661	0.636	ug/l	88
80) 1,3,5-Trimethylbenzene	12.71	105	3671	0.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.27	75	358m	0.372	ug/l	
82) 4-Chlorotoluene	12.75	91	3679	0.629	ug/l	85
83) tert-Butylbenzene	12.97	119	2950	0.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	3787	0.572	ug/l	94
85) sec-Butylbenzene	13.15	105	4015	0.536	ug/l	97
86) p-Isopropyltoluene	13.26	119	3548	0.549	ug/l	93
87) 1,3-Dichlorobenzene	13.26	146	1814	0.569	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	2010m	0.613	ug/l	
89) n-Butylbenzene	13.59	91	2704	0.474	ug/l	95
90) Hexachloroethane	13.85	117	587	0.462	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	1693	0.550	ug/l	95
93) 1,2,4-Trichlorobenzene	14.89	180	603	0.434	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	506	0.619	ug/l	76
95) Naphthalene	15.11	128	1893	0.483	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	815	0.564	ug/l #	78

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

