

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069490.D
 Acq On : 15 Nov 2021 14:13
 Operator : JC/MD
 Sample : M4068-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 16 00:50:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1039186	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1766083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1528890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	528898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	803814	53.347	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.700%			
35) Dibromofluoromethane	8.021	113	532290	50.253	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.500%			
50) Toluene-d8	10.440	98	2058992	49.425	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.731	95	631248	41.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 82.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.075	85	3777	0.340	ug/l	93
3) Chloromethane	2.303	50	6776	0.526	ug/l	99
4) Vinyl Chloride	2.451	62	4935	0.383	ug/l	90
5) Bromomethane	2.872	94	6725m	0.803	ug/l	
7) Trichlorofluoromethane	3.384	101	6928	0.348	ug/l	99
8) Diethyl Ether	3.824	74	2361	0.366	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.215	101	3508m	0.374	ug/l	
10) Methyl Iodide	4.422	142	4576	0.398	ug/l	# 42
15) Acrylonitrile	5.554	53	12095m	1.740	ug/l	
16) Acetone	4.296	43	19713	2.425	ug/l	93
17) Carbon Disulfide	4.527	76	8163	0.410	ug/l	99
18) Methyl Acetate	4.870	43	13417m	0.508	ug/l	
19) Methyl tert-butyl Ether	5.618	73	13001m	0.365	ug/l	
20) Methylene Chloride	5.095	84	6793	0.589	ug/l	# 82
21) trans-1,2-Dichloroethene	5.607	96	3842m	0.408	ug/l	
22) Diisopropyl ether	6.503	45	13269	0.331	ug/l	# 89
23) Vinyl Acetate	6.433	43	40918	1.319	ug/l	# 93
24) 1,1-Dichloroethane	6.388	63	7865	0.385	ug/l	# 93
25) 2-Butanone	7.348	43	21635	1.965	ug/l	90
26) 2,2-Dichloropropane	7.321	77	7200	0.450	ug/l	85
27) cis-1,2-Dichloroethene	7.324	96	4761m	0.408	ug/l	
28) Bromochloromethane	7.654	49	4332m	0.414	ug/l	
29) Tetrahydrofuran	7.691	42	13004m	1.925	ug/l	
30) Chloroform	7.815	83	8293	0.396	ug/l	99
31) Cyclohexane	8.083	56	34342	1.668	ug/l	# 48
36) 1,1-Dichloropropene	8.225	75	7004	0.471	ug/l	# 49
38) Carbon Tetrachloride	8.212	117	6107m	0.426	ug/l	
39) Methylcyclohexane	9.456	83	6403	0.346	ug/l	95
40) Benzene	8.461	78	17673	0.385	ug/l	96
41) Methacrylonitrile	7.627	41	3049	0.294	ug/l	# 67
42) 1,2-Dichloroethane	8.536	62	8472	0.472	ug/l	93
43) Isopropyl Acetate	8.563	43	11357	0.352	ug/l	# 61
44) Trichloroethene	9.212	130	4696	0.428	ug/l	98
45) 1,2-Dichloropropane	9.486	63	4032	0.329	ug/l	97
46) Dibromomethane	9.574	93	3063	0.373	ug/l	# 86
47) Bromodichloromethane	9.764	83	4956	0.324	ug/l	# 90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Methyl methacrylate	9.566	41	4842	0.319	ug/l	92
49) 1,4-Dioxane	9.569	88	1845m	44.952	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	34797	1.671	ug/l	91
52) Toluene	10.505	92	10557	0.369	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	4565	2.867	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	5712	2.011	ug/l	96
55) 1,1,2-Trichloroethane	10.899	97	4285	0.372	ug/l	93
56) Ethyl methacrylate	10.759	69	5780	2.308	ug/l #	72
57) 1,3-Dichloropropane	11.046	76	6882	0.340	ug/l #	82
58) 2-Chloroethyl Vinyl ether	10.043	63	5328	23.638	ug/l	97
59) 2-Hexanone	11.087	43	25669	9.355	ug/l	86
60) Dibromochloromethane	11.237	129	2577	2.611	ug/l	97
61) 1,2-Dibromoethane	11.347	107	3439	1.333	ug/l	84
64) Tetrachloroethene	10.977	164	3875	0.420	ug/l #	87
65) Chlorobenzene	11.771	112	11393	0.400	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.843	131	2875	0.291	ug/l #	66
67) Ethyl Benzene	11.846	91	19280	0.367	ug/l	90
68) m/p-Xylenes	11.953	106	12147	0.629	ug/l	85
69) o-Xylene	12.277	106	6595	0.343	ug/l	91
70) Styrene	12.294	104	9500	1.787	ug/l	95
71) Bromoform	12.463	173	1732	3.616	ug/l #	29
73) Isopropylbenzene	12.581	105	15460	0.367	ug/l	100
74) N-ethyl acetate	12.398	43	7353	0.412	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.827	83	6285	0.443	ug/l	93
77) Bromobenzene	12.859	156	4171	0.433	ug/l	85
78) n-propylbenzene	12.921	91	18893	0.399	ug/l	93
79) 2-Chlorotoluene	13.007	91	12127	0.413	ug/l	94
80) 1,3,5-Trimethylbenzene	13.063	105	12533	0.368	ug/l	100
82) 4-Chlorotoluene	13.106	91	11489	0.411	ug/l	93
83) tert-Butylbenzene	13.326	119	11203	0.376	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	12439	0.378	ug/l	99
85) sec-Butylbenzene	13.503	105	14798	0.355	ug/l	99
86) p-Isopropyltoluene	13.613	119	10968	0.332	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	6874	0.412	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	7199m	0.439	ug/l	
89) n-Butylbenzene	13.943	91	10162	0.368	ug/l	100
90) Hexachloroethane	14.211	117	1626	2.418	ug/l	82
91) 1,2-Dichlorobenzene	13.989	146	6135	0.386	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.608	75	733	2.064	ug/l #	60
93) 1,2,4-Trichlorobenzene	15.265	180	3293	3.484	ug/l	91
94) Hexachlorobutadiene	15.370	225	1584	0.384	ug/l #	58
95) Naphthalene	15.507	128	9157	4.806	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.700	180	2940	3.515	ug/l	75

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

