

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069491.D
 Acq On : 15 Nov 2021 15:16
 Operator : JC/MD
 Sample : M4068-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 16 02:41:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 02:35:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.085	168	1168796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1980018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1719477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	612950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	927301	54.718	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.440%			
35) Dibromofluoromethane	8.021	113	622344	52.407	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.820%			
50) Toluene-d8	10.440	98	2443504	52.317	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.733	95	764157	44.537	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	8808	0.705	ug/l	97
3) Chloromethane	2.303	50	13023	0.899	ug/l	94
4) Vinyl Chloride	2.445	62	10965	0.756	ug/l	92
5) Bromomethane	2.866	94	9259	0.983	ug/l #	69
6) Chloroethane	3.025	64	6810	0.696	ug/l #	71
7) Trichlorofluoromethane	3.373	101	16374	0.731	ug/l	90
8) Diethyl Ether	3.821	74	5353	0.738	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.215	101	8025m	0.760	ug/l	
10) Methyl Iodide	4.425	142	9119	0.704	ug/l #	79
12) 1,1-Dichloroethene	4.178	96	7434	0.785	ug/l #	76
13) Acrolein	4.044	56	3222m	6.716	ug/l	
14) Allyl chloride	4.846	41	15604m	0.745	ug/l	
15) Acrylonitrile	5.559	53	24696	3.158	ug/l	96
16) Acetone	4.296	43	37673	4.120	ug/l	96
17) Carbon Disulfide	4.521	76	16196m	0.723	ug/l	
18) Methyl Acetate	4.856	43	25448m	0.856	ug/l	
19) Methyl tert-butyl Ether	5.621	73	29332	0.732	ug/l	97
20) Methylene Chloride	5.098	84	12560	0.969	ug/l #	88
21) trans-1,2-Dichloroethene	5.591	96	8112m	0.767	ug/l	
22) Diisopropyl ether	6.500	45	32089	0.711	ug/l	95
23) Vinyl Acetate	6.436	43	95338	2.732	ug/l	99
24) 1,1-Dichloroethane	6.388	63	17023	0.741	ug/l #	90
25) 2-Butanone	7.348	43	44608	3.603	ug/l	92
26) 2,2-Dichloropropane	7.327	77	14392m	0.800	ug/l	
27) cis-1,2-Dichloroethene	7.321	96	10278	0.784	ug/l	85
28) Bromochloromethane	7.656	49	9280	0.789	ug/l #	87
29) Tetrahydrofuran	7.694	42	22716	2.990	ug/l	96
30) Chloroform	7.817	83	16933	0.719	ug/l	94
31) Cyclohexane	8.088	56	46549	2.011	ug/l #	63
32) 1,1,1-Trichloroethane	8.016	97	13649	0.694	ug/l #	52
36) 1,1-Dichloropropene	8.225	75	11823	0.710	ug/l	95
37) Ethyl Acetate	7.420	43	9970	0.443	ug/l #	83
38) Carbon Tetrachloride	8.204	117	12715	0.790	ug/l #	82
39) Methylcyclohexane	9.456	83	13563	0.654	ug/l #	78
40) Benzene	8.461	78	38719	0.753	ug/l	96
41) Methacrylonitrile	7.638	41	5269	0.453	ug/l #	68

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42) 1,2-Dichloroethane	8.531	62	17980	0.893	ug/l	88
43) Isopropyl Acetate	8.563	43	25893	0.716	ug/l #	75
44) Trichloroethene	9.212	130	9866	0.802	ug/l	93
45) 1,2-Dichloropropane	9.491	63	10516	0.765	ug/l	91
46) Dibromomethane	9.582	93	6537	0.710	ug/l	92
47) Bromodichloromethane	9.759	83	12183	0.709	ug/l #	87
48) Methyl methacrylate	9.561	41	11247	0.661	ug/l	87
49) 1,4-Dioxane	9.569	88	4312	14.206	ug/l #	73
51) 4-Methyl-2-Pentanone	10.330	43	74522	3.192	ug/l	96
52) Toluene	10.507	92	23260	0.726	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	9879	0.550	ug/l	95
54) cis-1,3-Dichloropropene	10.188	75	11157	0.570	ug/l #	87
55) 1,1,2-Trichloroethane	10.896	97	9727	0.753	ug/l	96
56) Ethyl methacrylate	10.759	69	13133	0.614	ug/l	87
57) 1,3-Dichloropropane	11.046	76	15998	0.705	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.038	63	10404	2.100	ug/l #	65
59) 2-Hexanone	11.089	43	53603	3.080	ug/l	87
60) Dibromochloromethane	11.239	129	6704	0.555	ug/l	96
61) 1,2-Dibromoethane	11.347	107	8503	0.650	ug/l	100
64) Tetrachloroethene	10.977	164	8552	0.824	ug/l	84
65) Chlorobenzene	11.773	112	24793	0.775	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.840	131	6977	0.628	ug/l #	65
67) Ethyl Benzene	11.846	91	41176	0.698	ug/l	96
68) m/p-Xylenes	11.953	106	29397	1.354	ug/l	89
69) o-Xylene	12.285	106	14745	0.681	ug/l	93
70) Styrene	12.296	104	20743	0.597	ug/l	93
71) Bromoform	12.454	173	3993	0.504	ug/l #	91
73) Isopropylbenzene	12.578	105	36855	0.755	ug/l	95
74) N-amyl acetate	12.395	43	12973	0.627	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.830	83	13773	0.837	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	12699m	0.898	ug/l	
77) Bromobenzene	12.865	156	9116	0.817	ug/l	81
78) n-propylbenzene	12.924	91	40732	0.742	ug/l	97
79) 2-Chlorotoluene	13.010	91	27261	0.802	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	28717	0.728	ug/l	99
82) 4-Chlorotoluene	13.106	91	25685	0.792	ug/l	88
83) tert-Butylbenzene	13.323	119	25969	0.751	ug/l	96
84) 1,2,4-Trimethylbenzene	13.372	105	26781	0.703	ug/l	98
85) sec-Butylbenzene	13.503	105	32852	0.680	ug/l	95
86) p-Isopropyltoluene	13.618	119	24504	0.639	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	14455	0.747	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	16161m	0.851	ug/l	
89) n-Butylbenzene	13.943	91	21530	0.673	ug/l	93
90) Hexachloroethane	14.206	117	3470	0.552	ug/l	77
91) 1,2-Dichlorobenzene	13.991	146	14637	0.795	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	2017	0.758	ug/l #	58
93) 1,2,4-Trichlorobenzene	15.270	180	4805	0.592	ug/l	92
94) Hexachlorobutadiene	15.372	225	3503	0.732	ug/l	91
95) Naphthalene	15.509	128	12418	0.571	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	4693	0.604	ug/l	92

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