

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111721\
 Data File : VN069534.D
 Acq On : 17 Nov 2021 17:02
 Operator : JC/MD
 Sample : M4068-08 1.0PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021

Quant Time: Nov 18 08:13:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 08:10:30 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1010931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1739666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1523139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	511419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	996527	67.985	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 135.980%			
35) Dibromofluoromethane	8.024	113	669706	64.186	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 128.380%			
50) Toluene-d8	10.443	98	2582797	62.940	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 125.880%			
62) 4-Bromofluorobenzene	12.733	95	793530	52.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	11373	1.053	ug/l	95
3) Chloromethane	2.303	50	17395	1.389	ug/l	95
4) Vinyl Chloride	2.448	62	15039	1.199	ug/l #	86
5) Bromomethane	2.866	94	11550	1.418	ug/l	96
6) Chloroethane	3.027	64	10357	1.223	ug/l	93
7) Trichlorofluoromethane	3.381	101	22072	1.139	ug/l	97
8) Diethyl Ether	3.824	74	6807	1.085	ug/l	53
9) 1,1,2-Trichlorotrifluo...	4.205	101	11297m	1.237	ug/l	
10) Methyl Iodide	4.422	142	13672	1.221	ug/l #	67
11) Tert butyl alcohol	5.382	59	15869m	6.008	ug/l	
12) 1,1-Dichloroethene	4.183	96	10833	1.322	ug/l	95
13) Acrolein	4.036	56	4070m	9.808	ug/l	
14) Allyl chloride	4.843	41	18459m	1.019	ug/l	
15) Acrylonitrile	5.562	53	45429m	6.716	ug/l	
16) Acetone	4.293	43	53689	6.789	ug/l	97
17) Carbon Disulfide	4.527	76	21283	1.099	ug/l	97
18) Methyl Acetate	4.865	43	35766	1.391	ug/l	95
19) Methyl tert-butyl Ether	5.626	73	39706	1.145	ug/l	99
20) Methylene Chloride	5.098	84	19124	1.705	ug/l #	89
21) trans-1,2-Dichloroethene	5.599	96	11042m	1.207	ug/l	
22) Diisopropyl ether	6.506	45	42679	1.094	ug/l #	89
23) Vinyl Acetate	6.442	43	159869	5.297	ug/l #	94
24) 1,1-Dichloroethane	6.391	63	24202	1.218	ug/l	99
25) 2-Butanone	7.351	43	66167	6.179	ug/l	92
26) 2,2-Dichloropropane	7.332	77	18320	1.178	ug/l #	64
27) cis-1,2-Dichloroethene	7.335	96	14268m	1.258	ug/l	
28) Bromochloromethane	7.659	49	12275	1.206	ug/l #	79
29) Tetrahydrofuran	7.694	42	41505	6.316	ug/l	89
30) Chloroform	7.820	83	25582	1.255	ug/l	89
31) Cyclohexane	8.091	56	48438	2.419	ug/l #	72
32) 1,1,1-Trichloroethane	8.013	97	18802	1.105	ug/l #	48
36) 1,1-Dichloropropene	8.225	75	17664	1.207	ug/l	83
37) Ethyl Acetate	7.420	43	28481m	1.439	ug/l	
38) Carbon Tetrachloride	8.204	117	14980	1.060	ug/l	97
39) Methylcyclohexane	9.464	83	20579	1.130	ug/l	92
40) Benzene	8.464	78	55155	1.221	ug/l	96

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41) Methacrylonitrile	7.648	41	13262	1.297	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	25770	1.457	ug/l	93
43) Isopropyl Acetate	8.563	43	35912	1.130	ug/l #	90
44) Trichloroethene	9.212	130	13653	1.263	ug/l	100
45) 1,2-Dichloropropane	9.488	63	14196	1.176	ug/l	91
46) Dibromomethane	9.579	93	9132	1.129	ug/l	92
47) Bromodichloromethane	9.762	83	16619	1.101	ug/l	98
48) Methyl methacrylate	9.566	41	16429	1.099	ug/l	92
49) 1,4-Dioxane	9.571	88	6494	24.350	ug/l #	88
51) 4-Methyl-2-Pentanone	10.333	43	121383	5.917	ug/l	95
52) Toluene	10.507	92	32987	1.172	ug/l	94
53) t-1,3-Dichloropropene	10.719	75	14392	0.913	ug/l	94
54) cis-1,3-Dichloropropene	10.191	75	16728	0.972	ug/l	94
55) 1,1,2-Trichloroethane	10.902	97	13665	1.204	ug/l	95
56) Ethyl methacrylate	10.762	69	19504	1.038	ug/l #	80
57) 1,3-Dichloropropane	11.046	76	23180	1.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	21219	4.874	ug/l	96
59) 2-Hexanone	11.087	43	95204	6.227	ug/l	89
60) Dibromochloromethane	11.240	129	9950	0.937	ug/l	93
61) 1,2-Dibromoethane	11.347	107	12529	1.090	ug/l	93
64) Tetrachloroethene	10.979	164	12791	1.391	ug/l	92
65) Chlorobenzene	11.771	112	36543	1.289	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.846	131	10608	1.079	ug/l #	67
67) Ethyl Benzene	11.846	91	60772	1.162	ug/l	89
68) m/p-Xylenes	11.956	106	41914	2.180	ug/l	92
69) o-Xylene	12.283	106	21265	1.109	ug/l	97
70) Styrene	12.294	104	30823	1.001	ug/l	94
71) Bromoform	12.463	173	5952	0.848	ug/l #	96
73) Isopropylbenzene	12.581	105	51692	1.269	ug/l	98
74) N-amyl acetate	12.393	43	23672	1.372	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.827	83	22846	1.664	ug/l	92
76) 1,2,3-Trichloropropane	12.881	75	16658m	1.411	ug/l	
77) Bromobenzene	12.865	156	13723	1.474	ug/l	81
78) n-propylbenzene	12.921	91	61004	1.331	ug/l	94
79) 2-Chlorotoluene	13.007	91	39913	1.407	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	41400	1.258	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.629	75	2777m	0.790	ug/l	
82) 4-Chlorotoluene	13.109	91	37464	1.385	ug/l	92
83) tert-Butylbenzene	13.323	119	38643	1.340	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	41088	1.293	ug/l	97
85) sec-Butylbenzene	13.503	105	48825	1.212	ug/l	100
86) p-Isopropyltoluene	13.618	119	38387	1.200	ug/l	98
87) 1,3-Dichlorobenzene	13.618	146	23367	1.447	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	24960m	1.576	ug/l	
89) n-Butylbenzene	13.946	91	35577	1.334	ug/l	98
90) Hexachloroethane	14.211	117	5616	1.071	ug/l	81
91) 1,2-Dichlorobenzene	13.991	146	24917	1.622	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	3581	1.614	ug/l	71
93) 1,2,4-Trichlorobenzene	15.268	180	13345	1.971	ug/l	97
94) Hexachlorobutadiene	15.370	225	5669	1.420	ug/l	86
95) Naphthalene	15.509	128	44572	2.456	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	15313	2.362	ug/l	95

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

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