

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069425.D
 Acq On : 9 Nov 2021 18:28
 Operator : JC/MD
 Sample : M4068-07 .5PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 10 16:17:02 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

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2021
 Supervised By :Semsettin Yesilyurt 11/17/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	889278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1592414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1375286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	444813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	748448	58.046	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.100%			
35) Dibromofluoromethane	8.024	113	481785	50.445	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.900%			
50) Toluene-d8	10.443	98	1922194	51.173	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.733	95	560254	40.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	3654	0.385	ug/l	93
3) Chloromethane	2.306	50	7102	0.645	ug/l	91
4) Vinyl Chloride	2.445	62	4403	0.399	ug/l #	78
5) Bromomethane	2.861	94	7087	0.989	ug/l	97
6) Chloroethane	3.038	64	3566m	0.479	ug/l	
7) Trichlorofluoromethane	3.376	101	7372	0.432	ug/l	90
8) Diethyl Ether	3.824	74	2540m	0.460	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.199	101	3299m	0.411	ug/l	
10) Methyl Iodide	4.425	142	4029m	0.409	ug/l	
11) Tert butyl alcohol	5.393	59	4752m	2.045	ug/l	
12) 1,1-Dichloroethene	4.186	96	3085	0.428	ug/l #	80
13) Acrolein	4.044	56	2429m	0.792	ug/l	
14) Allyl chloride	4.848	41	7684m	0.482	ug/l	
15) Acrylonitrile	5.570	53	12404m	2.085	ug/l	
16) Acetone	4.293	43	16128	2.318	ug/l	91
17) Carbon Disulfide	4.521	76	7443	0.437	ug/l	95
18) Methyl Acetate	4.870	43	13277	0.587	ug/l #	66
19) Methyl tert-butyl Ether	5.621	73	11530	0.378	ug/l	92
20) Methylene Chloride	5.084	84	9913m	1.005	ug/l	
21) trans-1,2-Dichloroethene	5.602	96	3097m	0.385	ug/l	
22) Diisopropyl ether	6.498	45	12712	0.370	ug/l #	86
23) Vinyl Acetate	6.441	43	38677	1.457	ug/l #	92
24) 1,1-Dichloroethane	6.382	63	6847	0.392	ug/l #	83
25) 2-Butanone	7.345	43	17115	1.817	ug/l #	89
26) 2,2-Dichloropropane	7.329	77	5002m	0.366	ug/l	
27) cis-1,2-Dichloroethene	7.321	96	4138m	0.415	ug/l	
28) Bromochloromethane	7.667	49	3965m	0.443	ug/l	
29) Tetrahydrofuran	7.691	42	11116	1.923	ug/l	87
30) Chloroform	7.820	83	7044	0.393	ug/l	98
31) Cyclohexane	8.088	56	30512	1.732	ug/l #	48
32) 1,1,1-Trichloroethane	8.018	97	5786	0.387	ug/l #	24
36) 1,1-Dichloropropene	8.225	75	5437	0.406	ug/l #	77
37) Ethyl Acetate	7.426	43	9958m	0.550	ug/l	
38) Carbon Tetrachloride	8.206	117	4993	0.386	ug/l #	76
39) Methylcyclohexane	9.461	83	6112	0.367	ug/l #	85
40) Benzene	8.461	78	15726	0.380	ug/l	98

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41) Methacrylonitrile	7.640	41	4547m	0.486	ug/l	
42) 1,2-Dichloroethane	8.528	62	7557m	0.467	ug/l	
43) Isopropyl Acetate	8.566	43	9848	0.339	ug/l #	57
44) Trichloroethene	9.225	130	4627m	0.467	ug/l	
45) 1,2-Dichloropropane	9.496	63	4199	0.380	ug/l #	81
46) Dibromomethane	9.585	93	2745m	0.371	ug/l	
47) Bromodichloromethane	9.764	83	4721	0.342	ug/l	97
48) Methyl methacrylate	9.561	41	5096	0.372	ug/l	85
49) 1,4-Dioxane	9.574	88	2040m	46.285	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	31840	1.696	ug/l	94
52) Toluene	10.507	92	12791	0.496	ug/l	94
53) t-1,3-Dichloropropene	10.722	75	4100	2.866	ug/l #	84
54) cis-1,3-Dichloropropene	10.194	75	4487	1.975	ug/l #	85
55) 1,1,2-Trichloroethane	10.902	97	3564	0.343	ug/l	90
56) Ethyl methacrylate	10.767	69	5171	2.306	ug/l #	72
57) 1,3-Dichloropropane	11.049	76	6175	0.338	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.043	63	5754	23.809	ug/l	99
59) 2-Hexanone	11.089	43	25159	9.478	ug/l	90
60) Dibromochloromethane	11.237	129	2760	2.648	ug/l	57
61) 1,2-Dibromoethane	11.352	107	3734	1.386	ug/l	92
64) Tetrachloroethene	10.977	164	3485	0.420	ug/l #	85
65) Chlorobenzene	11.773	112	10309	0.403	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.843	131	2539	0.286	ug/l #	52
67) Ethyl Benzene	11.846	91	17224	0.365	ug/l	89
68) m/p-Xylenes	11.956	106	12060	0.695	ug/l	98
69) o-Xylene	12.283	106	5713	0.330	ug/l	84
70) Styrene	12.291	104	8819	1.795	ug/l #	78
71) Bromoform	12.457	173	1432	3.601	ug/l #	29
73) Isopropylbenzene	12.583	105	14366	0.406	ug/l #	68
74) N-amyl acetate	12.398	43	6913	0.461	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.830	83	5123	0.429	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	7649m	0.745	ug/l	
77) Bromobenzene	12.862	156	3895	0.481	ug/l	81
78) n-propylbenzene	12.921	91	16437	0.412	ug/l	96
79) 2-Chlorotoluene	13.012	91	10986	0.445	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	11960	0.418	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.634	75	578m	5.936	ug/l	
82) 4-Chlorotoluene	13.106	91	10039	0.427	ug/l	99
83) tert-Butylbenzene	13.323	119	10528	0.420	ug/l	91
84) 1,2,4-Trimethylbenzene	13.372	105	10688	0.387	ug/l	95
85) sec-Butylbenzene	13.506	105	13092	0.374	ug/l	92
86) p-Isopropyltoluene	13.616	119	10028	0.360	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	6034	0.430	ug/l	90
88) 1,4-Dichlorobenzene	13.693	146	6734m	0.489	ug/l	
89) n-Butylbenzene	13.943	91	8873	0.382	ug/l	95
90) Hexachloroethane	14.219	117	1332	2.411	ug/l	72
91) 1,2-Dichlorobenzene	13.994	146	6411	0.480	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.605	75	774	2.133	ug/l #	53
93) 1,2,4-Trichlorobenzene	15.262	180	3107	3.530	ug/l	98
94) Hexachlorobutadiene	15.370	225	1353	0.390	ug/l	70
95) Naphthalene	15.509	128	12216	5.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	3855	3.709	ug/l	99

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

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