

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111721\
 Data File : VN069530.D
 Acq On : 17 Nov 2021 15:05
 Operator : JC/MD
 Sample : M4068-07 .5PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 18 08:11:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 08:00:30 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	1143117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1900525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1680711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	572698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	917516	55.357	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.720%			
35) Dibromofluoromethane	8.024	113	613174	53.794	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.580%			
50) Toluene-d8	10.443	98	2382591	53.147	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.300%			
62) 4-Bromofluorobenzene	12.733	95	751570	45.636	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	4898	0.401	ug/l	93
3) Chloromethane	2.306	50	8690	0.614	ug/l #	85
4) Vinyl Chloride	2.445	62	7129	0.503	ug/l #	85
5) Bromomethane	2.866	94	6517	0.708	ug/l	82
6) Chloroethane	3.022	64	5359	0.560	ug/l	98
7) Trichlorofluoromethane	3.379	101	10244	0.467	ug/l	96
8) Diethyl Ether	3.832	74	3398	0.479	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.213	101	2748	0.266	ug/l #	83
10) Methyl Iodide	4.419	142	6186m	0.489	ug/l	
11) Tert butyl alcohol	5.312	59	15763m	5.278	ug/l	
12) 1,1-Dichloroethene	4.178	96	4509	0.487	ug/l	95
13) Acrolein	4.036	56	2669m	5.688	ug/l	
14) Allyl chloride	4.851	41	11293m	0.551	ug/l	
15) Acrylonitrile	5.564	53	17988m	2.352	ug/l	
16) Acetone	4.301	43	27739	3.102	ug/l #	88
17) Carbon Disulfide	4.527	76	10117	0.462	ug/l #	88
18) Methyl Acetate	4.867	43	17878	0.615	ug/l #	74
19) Methyl tert-butyl Ether	5.621	73	18367	0.468	ug/l	94
20) Methylene Chloride	5.084	84	10033m	0.791	ug/l	
21) trans-1,2-Dichloroethene	5.599	96	5038	0.487	ug/l	96
22) Diisopropyl ether	6.500	45	19933	0.452	ug/l #	94
23) Vinyl Acetate	6.439	43	57143	1.674	ug/l #	93
24) 1,1-Dichloroethane	6.393	63	10584	0.471	ug/l #	95
25) 2-Butanone	7.348	43	27739	2.291	ug/l	90
26) 2,2-Dichloropropane	7.327	77	8990m	0.511	ug/l	
27) cis-1,2-Dichloroethene	7.329	96	5399	0.421	ug/l	67
28) Bromochloromethane	7.659	49	5717	0.497	ug/l #	80
29) Tetrahydrofuran	7.699	42	16352	2.200	ug/l	89
30) Chloroform	7.817	83	11384	0.494	ug/l	90
31) Cyclohexane	8.086	56	39315	1.736	ug/l #	47
32) 1,1,1-Trichloroethane	8.021	97	8342m	0.434	ug/l	
36) 1,1-Dichloropropene	8.220	75	8699	0.544	ug/l #	89
37) Ethyl Acetate	7.420	43	8491	0.393	ug/l #	87
38) Carbon Tetrachloride	8.212	117	7428	0.481	ug/l	85
39) Methylcyclohexane	9.456	83	9546	0.480	ug/l	92
40) Benzene	8.464	78	25109	0.509	ug/l	100

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41) Methacrylonitrile	7.638	41	4189	0.375	ug/l #	55
42) 1,2-Dichloroethane	8.533	62	11206	0.580	ug/l	93
43) Isopropyl Acetate	8.566	43	14336	0.413	ug/l #	64
44) Trichloroethene	9.215	130	6216	0.526	ug/l	92
45) 1,2-Dichloropropane	9.491	63	6782	0.514	ug/l #	88
46) Dibromomethane	9.577	93	3840	0.435	ug/l	92
47) Bromodichloromethane	9.762	83	7096	0.430	ug/l	91
48) Methyl methacrylate	9.563	41	6441	0.394	ug/l	91
49) 1,4-Dioxane	9.585	88	2324m	7.976	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	48102	2.146	ug/l	93
52) Toluene	10.505	92	15135	0.492	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	6346	0.368	ug/l #	85
54) cis-1,3-Dichloropropene	10.191	75	6508	0.346	ug/l #	78
55) 1,1,2-Trichloroethane	10.904	97	5947	0.480	ug/l	93
56) Ethyl methacrylate	10.765	69	8481	0.413	ug/l #	76
57) 1,3-Dichloropropane	11.046	76	10044	0.461	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.043	63	10488	2.205	ug/l	97
59) 2-Hexanone	11.089	43	36107	2.162	ug/l	86
60) Dibromochloromethane	11.237	129	3900	0.336	ug/l	94
61) 1,2-Dibromoethane	11.347	107	5428	0.432	ug/l	97
64) Tetrachloroethene	10.974	164	5544	0.546	ug/l	89
65) Chlorobenzene	11.771	112	15751	0.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	4672	0.431	ug/l #	62
67) Ethyl Benzene	11.846	91	27498	0.477	ug/l	96
68) m/p-Xylenes	11.958	106	18338	0.864	ug/l	94
69) o-Xylene	12.283	106	9613	0.454	ug/l	95
70) Styrene	12.294	104	12846	0.378	ug/l	93
71) Bromoform	12.454	173	2577	0.333	ug/l #	29
73) Isopropylbenzene	12.578	105	21868	0.480	ug/l	96
74) N-amyl acetate	12.393	43	8616	0.446	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.825	83	8594	0.559	ug/l	96
76) 1,2,3-Trichloropropane	12.881	75	7706m	0.583	ug/l	
77) Bromobenzene	12.859	156	6617	0.635	ug/l	88
78) n-propylbenzene	12.921	91	25468	0.496	ug/l	98
79) 2-Chlorotoluene	13.010	91	17492	0.551	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	19208	0.521	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.629	75	1274m	0.323	ug/l	
82) 4-Chlorotoluene	13.106	91	14586	0.482	ug/l	98
83) tert-Butylbenzene	13.321	119	15264	0.473	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	17702	0.497	ug/l	90
85) sec-Butylbenzene	13.503	105	20559	0.456	ug/l	97
86) p-Isopropyltoluene	13.618	119	15518	0.433	ug/l	95
87) 1,3-Dichlorobenzene	13.616	146	9255	0.512	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	10219m	0.576	ug/l	
89) n-Butylbenzene	13.943	91	13406	0.449	ug/l	98
90) Hexachloroethane	14.214	117	2094	0.356	ug/l #	39
91) 1,2-Dichlorobenzene	13.994	146	8910	0.518	ug/l	76
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1020	0.410	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.271	180	3674	0.485	ug/l	97
94) Hexachlorobutadiene	15.370	225	2165	0.484	ug/l #	52
95) Naphthalene	15.507	128	10685	0.526	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.702	180	3333	0.459	ug/l	87

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

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