

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077694.D
 Acq On : 16 May 2023 15:51
 Operator : JC\MD
 Sample : 02213-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 17 04:43:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 17 04:41:44 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	340261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	641978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	542497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	217515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	303085	59.531	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.060%			
35) Dibromofluoromethane	8.171	113	228898	54.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.360%			
50) Toluene-d8	10.571	98	866865	53.798	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.600%			
62) 4-Bromofluorobenzene	12.853	95	276930	48.662	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1911	0.493	ug/l	87
3) Chloromethane	2.365	50	3740	0.806	ug/l	93
4) Vinyl Chloride	2.524	62	2603	0.533	ug/l #	79
5) Bromomethane	2.959	94	3519	0.975	ug/l	91
6) Chloroethane	3.130	64	2594	0.737	ug/l	92
7) Trichlorofluoromethane	3.512	101	3700	0.544	ug/l	89
8) Diethyl Ether	3.983	74	1153	0.464	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.371	101	2629m	0.698	ug/l	
10) Methyl Iodide	4.589	142	2567m	0.572	ug/l	
11) Tert butyl alcohol	5.530	59	1691	2.407	ug/l	98
12) 1,1-Dichloroethene	4.347	96	2330	0.651	ug/l #	58
13) Acrolein	4.194	56	2151m	4.305	ug/l	
14) Allyl chloride	5.030	41	3575	0.680	ug/l #	67
15) Acrylonitrile	5.724	53	4773	2.543	ug/l #	92
16) Acetone	4.459	43	5285m	3.300	ug/l	
17) Carbon Disulfide	4.718	76	5069	0.526	ug/l	100
18) Methyl Acetate	5.053	43	4502	0.670	ug/l #	53
19) Methyl tert-butyl Ether	5.818	73	7276	0.562	ug/l #	82
20) Methylene Chloride	5.265	84	3629m	0.756	ug/l	
21) trans-1,2-Dichloroethene	5.777	96	2270m	0.565	ug/l	
22) Diisopropyl ether	6.677	45	6832	0.554	ug/l #	84
23) Vinyl Acetate	6.618	43	17746	2.324	ug/l #	81
24) 1,1-Dichloroethane	6.588	63	4794	0.635	ug/l #	91
25) 2-Butanone	7.506	43	7267	2.900	ug/l #	72
26) 2,2-Dichloropropane	7.494	77	3161	0.493	ug/l	77
27) cis-1,2-Dichloroethene	7.500	96	2781	0.577	ug/l	94
28) Bromochloromethane	7.824	49	1888m	0.578	ug/l	
29) Tetrahydrofuran	7.853	42	4363	2.659	ug/l #	66
30) Chloroform	7.982	83	5008	0.603	ug/l #	65
31) Cyclohexane	8.235	56	12132	1.753	ug/l #	45
32) 1,1,1-Trichloroethane	8.171	97	3587	0.508	ug/l #	24
36) 1,1-Dichloropropene	8.377	75	3563	0.582	ug/l	94
37) Ethyl Acetate	7.577	43	2721	0.499	ug/l #	86
38) Carbon Tetrachloride	8.365	117	2795	0.452	ug/l #	82
39) Methylcyclohexane	9.606	83	3371	0.450	ug/l	98
40) Benzene	8.612	78	8749	0.484	ug/l	92

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41) Methacrylonitrile	7.800	41	1813	0.624	ug/l #	77
42) 1,2-Dichloroethane	8.677	62	4346	0.662	ug/l #	73
43) Isopropyl Acetate	8.700	43	4556	0.511	ug/l #	85
44) Trichloroethene	9.353	130	2263	0.495	ug/l	67
45) 1,2-Dichloropropane	9.635	63	2656	0.576	ug/l #	84
46) Dibromomethane	9.724	93	1881	0.570	ug/l	92
47) Bromodichloromethane	9.894	83	3551	0.562	ug/l #	88
48) Methyl methacrylate	9.688	41	2100	0.497	ug/l #	79
49) 1,4-Dioxane	9.706	88	912m	11.425	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	13567	2.560	ug/l	88
52) Toluene	10.641	92	4866	0.433	ug/l #	72
53) t-1,3-Dichloropropene	10.841	75	2943	0.440	ug/l #	71
54) cis-1,3-Dichloropropene	10.323	75	3413	0.463	ug/l #	74
55) 1,1,2-Trichloroethane	11.018	97	2734	0.612	ug/l #	81
56) Ethyl methacrylate	10.882	69	3069	0.454	ug/l #	82
57) 1,3-Dichloropropane	11.182	76	3644	0.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	5897	1.775	ug/l	89
59) 2-Hexanone	11.200	43	10235	2.611	ug/l	90
60) Dibromochloromethane	11.359	129	2014	0.437	ug/l	96
61) 1,2-Dibromoethane	11.470	107	1921	0.431	ug/l	90
64) Tetrachloroethene	11.106	164	2077	0.547	ug/l #	65
65) Chlorobenzene	11.894	112	6520	0.554	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.970	131	1912	0.470	ug/l #	53
67) Ethyl Benzene	11.970	91	11219	0.532	ug/l	97
68) m/p-Xylenes	12.070	106	8188	1.025	ug/l	90
69) o-Xylene	12.400	106	3596	0.458	ug/l	85
70) Styrene	12.417	104	5916	0.474	ug/l	94
71) Bromoform	12.594	173	1257	0.464	ug/l #	93
73) Isopropylbenzene	12.706	105	8988	0.479	ug/l	88
74) N-amyl acetate	12.500	43	4003	0.578	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.953	83	2933	0.508	ug/l #	90
76) 1,2,3-Trichloropropane	13.000	75	3944m	0.724	ug/l	
77) Bromobenzene	12.982	156	2619	0.612	ug/l	95
78) n-propylbenzene	13.047	91	11432	0.517	ug/l	95
79) 2-Chlorotoluene	13.135	91	6666	0.505	ug/l	87
80) 1,3,5-Trimethylbenzene	13.176	105	7725	0.490	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.747	75	855m	0.502	ug/l	
82) 4-Chlorotoluene	13.223	91	6394	0.487	ug/l	99
83) tert-Butylbenzene	13.453	119	6855	0.498	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	7799	0.503	ug/l	95
85) sec-Butylbenzene	13.623	105	9216	0.471	ug/l	93
86) p-Isopropyltoluene	13.735	119	6427	0.412	ug/l	86
87) 1,3-Dichlorobenzene	13.735	146	3979	0.503	ug/l	92
88) 1,4-Dichlorobenzene	13.823	146	4946m	0.630	ug/l	
89) n-Butylbenzene	14.064	91	6674	0.466	ug/l	96
90) Hexachloroethane	14.341	117	1209	0.472	ug/l	75
91) 1,2-Dichlorobenzene	14.117	146	3537	0.478	ug/l	80
92) 1,2-Dibromo-3-Chloropr...	14.729	75	819m	0.733	ug/l	
93) 1,2,4-Trichlorobenzene	15.400	180	2060	0.477	ug/l	79
94) Hexachlorobutadiene	15.506	225	777	0.433	ug/l #	30
95) Naphthalene	15.653	128	7528	0.506	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.853	180	2376	0.562	ug/l	85

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

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