

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076756.D
 Acq On : 21 Feb 2023 17:37
 Operator : JC\MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023

Quant Time: Feb 22 04:13:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	237660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	437095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	382667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	157921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	195330	59.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.040%			
35) Dibromofluoromethane	8.172	113	144873	50.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.572	98	549966	51.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.854	95	164357	46.421	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	4531	1.795	ug/l	95
3) Chloromethane	2.378	50	8480	2.576	ug/l	96
4) Vinyl Chloride	2.531	62	8875	2.739	ug/l	89
5) Bromomethane	2.960	94	7881	4.014	ug/l #	77
6) Chloroethane	3.131	64	6237	3.046	ug/l #	86
7) Trichlorofluoromethane	3.519	101	11096	2.517	ug/l	94
8) Diethyl Ether	3.966	74	4219	2.483	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.390	101	6942m	2.680	ug/l	
10) Methyl Iodide	4.601	142	6793	2.123	ug/l	95
11) Tert butyl alcohol	5.525	59	5553m	12.819	ug/l	
12) 1,1-Dichloroethene	4.360	96	6206	2.530	ug/l #	82
13) Acrolein	4.207	56	7599	11.685	ug/l	90
14) Allyl chloride	5.025	41	13042m	3.068	ug/l	
15) Acrylonitrile	5.725	53	22603	14.703	ug/l	93
16) Acetone	4.460	43	20205	13.783	ug/l #	75
17) Carbon Disulfide	4.713	76	15629	2.413	ug/l	95
18) Methyl Acetate	5.049	43	13093	2.736	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	20956	2.534	ug/l	96
20) Methylene Chloride	5.284	84	8677	2.824	ug/l #	77
21) trans-1,2-Dichloroethene	5.790	96	7342	2.659	ug/l #	68
22) Diisopropyl ether	6.684	45	28007	2.809	ug/l	98
23) Vinyl Acetate	6.613	43	85968	14.575	ug/l #	93
24) 1,1-Dichloroethane	6.584	63	15536	2.843	ug/l #	81
25) 2-Butanone	7.490	43	31964	14.782	ug/l #	88
26) 2,2-Dichloropropane	7.495	77	11488	2.915	ug/l #	72
27) cis-1,2-Dichloroethene	7.495	96	8551	2.611	ug/l	85
28) Bromochloromethane	7.825	49	8109	3.118	ug/l	85
29) Tetrahydrofuran	7.860	42	20359	14.411	ug/l	97
30) Chloroform	7.966	83	14820	2.715	ug/l #	80
31) Cyclohexane	8.248	56	19515	3.791	ug/l #	77
32) 1,1,1-Trichloroethane	8.172	97	13080	2.850	ug/l #	52
36) 1,1-Dichloropropene	8.372	75	11066	2.676	ug/l	95
37) Ethyl Acetate	7.560	43	11956	2.748	ug/l #	93
38) Carbon Tetrachloride	8.366	117	10308	2.471	ug/l	96
39) Methylcyclohexane	9.607	83	12190	2.593	ug/l #	74
40) Benzene	8.607	78	35475	2.793	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.778	41	7766	3.081	ug/l	94
42) 1,2-Dichloroethane	8.684	62	13286	2.999	ug/l	96
43) Isopropyl Acetate	8.695	43	19652	2.775	ug/l	96
44) Trichloroethene	9.348	130	7427	2.475	ug/l	77
45) 1,2-Dichloropropane	9.625	63	8880	2.641	ug/l	95
46) Dibromomethane	9.713	93	5760	2.680	ug/l	90
47) Bromodichloromethane	9.889	83	11042	2.562	ug/l	93
48) Methyl methacrylate	9.689	41	7723	2.299	ug/l #	87
49) 1,4-Dioxane	9.701	88	3610	62.112	ug/l #	92
51) 4-Methyl-2-Pentanone	10.448	43	60425	13.413	ug/l	94
52) Toluene	10.631	92	19963	2.603	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	10381	2.496	ug/l	89
54) cis-1,3-Dichloropropene	10.319	75	11742	2.447	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	8478	2.719	ug/l #	89
56) Ethyl methacrylate	10.878	69	9973	2.272	ug/l #	83
57) 1,3-Dichloropropane	11.166	76	14166	2.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	23921	11.901	ug/l	95
59) 2-Hexanone	11.201	43	39926	12.291	ug/l	95
60) Dibromochloromethane	11.366	129	7454	2.268	ug/l	99
61) 1,2-Dibromoethane	11.472	107	7767	2.489	ug/l	87
64) Tetrachloroethene	11.101	164	5790	2.401	ug/l	94
65) Chlorobenzene	11.895	112	20728	2.556	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.966	131	7281	2.472	ug/l	87
67) Ethyl Benzene	11.966	91	33662	2.436	ug/l	98
68) m/p-Xylenes	12.077	106	24359	4.574	ug/l	96
69) o-Xylene	12.401	106	12827	2.470	ug/l	97
70) Styrene	12.413	104	17498	2.083	ug/l #	86
71) Bromoform	12.572	173	4799m	2.221	ug/l	
73) Isopropylbenzene	12.695	105	28662	2.476	ug/l	97
74) N-amyl acetate	12.495	43	13034	2.498	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.936	83	12606	3.009	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	8327m	2.608	ug/l	
77) Bromobenzene	12.983	156	7828	2.711	ug/l	89
78) n-propylbenzene	13.042	91	35625	2.621	ug/l	99
79) 2-Chlorotoluene	13.124	91	22632	2.719	ug/l	99
80) 1,3,5-Trimethylbenzene	13.172	105	24452	2.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	2833	2.584	ug/l	90
82) 4-Chlorotoluene	13.124	91	22632	2.719	ug/l	99
83) tert-Butylbenzene	13.442	119	21532	2.488	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	24415	2.561	ug/l	96
85) sec-Butylbenzene	13.619	105	28810	2.385	ug/l	97
86) p-Isopropyltoluene	13.730	119	21038	2.181	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	13304	2.437	ug/l	91
88) 1,4-Dichlorobenzene	13.819	146	14216	2.615	ug/l	85
89) n-Butylbenzene	14.060	91	18251	2.175	ug/l	99
90) Hexachloroethane	14.330	117	5356	2.651	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	15215	2.719	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	1890	2.328	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	5698	2.041	ug/l	92
94) Hexachlorobutadiene	15.501	225	3416	2.497	ug/l	98
95) Naphthalene	15.642	128	16968	2.003	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	6716	2.483	ug/l	90

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

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