

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076755.D
 Acq On : 21 Feb 2023 17:13
 Operator : JC\MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 22 04:13:04 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	8.230	168	239942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	436856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	381560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	144803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	190780	57.581	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.160%			
35) Dibromofluoromethane	8.178	113	144526	50.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	10.571	98	541466	50.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.854	95	157859	44.610	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	1513	0.594	ug/l	83
3) Chloromethane	2.378	50	2985	0.898	ug/l	95
4) Vinyl Chloride	2.531	62	2971	0.908	ug/l	97
5) Bromomethane	2.978	94	3236	1.632	ug/l #	79
6) Chloroethane	3.125	64	1579	0.764	ug/l #	85
7) Trichlorofluoromethane	3.507	101	3301	0.742	ug/l	95
8) Diethyl Ether	3.990	74	1320	0.770	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.384	101	1805m	0.690	ug/l	
10) Methyl Iodide	4.613	142	1659m	0.514	ug/l	
11) Tert butyl alcohol	5.537	59	2298m	5.255	ug/l	
12) 1,1-Dichloroethene	4.342	96	2307	0.932	ug/l #	57
13) Acrolein	4.201	56	2469	3.760	ug/l #	41
14) Allyl chloride	5.042	41	3763	0.877	ug/l #	72
15) Acrylonitrile	5.737	53	5972	3.848	ug/l	92
16) Acetone	4.460	43	5980	4.041	ug/l #	75
17) Carbon Disulfide	4.719	76	4840	0.740	ug/l #	73
18) Methyl Acetate	5.042	43	4733	0.980	ug/l #	73
19) Methyl tert-butyl Ether	5.807	73	5963	0.714	ug/l	94
20) Methylene Chloride	5.278	84	3850m	1.241	ug/l	
21) trans-1,2-Dichloroethene	5.801	96	2031	0.729	ug/l #	70
22) Diisopropyl ether	6.689	45	7294m	0.725	ug/l	
23) Vinyl Acetate	6.619	43	19864	3.336	ug/l	98
24) 1,1-Dichloroethane	6.583	63	4623m	0.838	ug/l	
25) 2-Butanone	7.501	43	9035	4.139	ug/l #	77
26) 2,2-Dichloropropane	7.507	77	3711m	0.933	ug/l	
27) cis-1,2-Dichloroethene	7.478	96	2438m	0.737	ug/l	
28) Bromochloromethane	7.830	49	2229	0.849	ug/l #	89
29) Tetrahydrofuran	7.848	42	5834	4.090	ug/l #	86
30) Chloroform	7.972	83	4078	0.740	ug/l	92
31) Cyclohexane	8.260	56	3352m	0.645	ug/l	
32) 1,1,1-Trichloroethane	8.166	97	3820	0.824	ug/l #	51
36) 1,1-Dichloropropene	8.377	75	3547	0.858	ug/l #	70
37) Ethyl Acetate	7.583	43	3531m	0.812	ug/l	
38) Carbon Tetrachloride	8.360	117	2929	0.702	ug/l	93
39) Methylcyclohexane	9.607	83	3477	0.740	ug/l #	71
40) Benzene	8.613	78	10297	0.811	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	1977	0.785	ug/l	94
42) 1,2-Dichloroethane	8.677	62	3873	0.875	ug/l	85
43) Isopropyl Acetate	8.695	43	5246	0.741	ug/l #	81
44) Trichloroethene	9.354	130	2240	0.747	ug/l	88
45) 1,2-Dichloropropane	9.624	63	2812	0.837	ug/l	91
46) Dibromomethane	9.724	93	1883	0.877	ug/l	90
47) Bromodichloromethane	9.895	83	3160	0.734	ug/l #	84
48) Methyl methacrylate	9.683	41	2602	0.775	ug/l #	83
49) 1,4-Dioxane	9.707	88	1093m	18.816	ug/l	
51) 4-Methyl-2-Pentanone	10.448	43	15538	3.451	ug/l	94
52) Toluene	10.630	92	5826	0.760	ug/l	88
53) t-1,3-Dichloropropene	10.842	75	2848	0.685	ug/l #	76
54) cis-1,3-Dichloropropene	10.324	75	3393	0.708	ug/l #	90
55) 1,1,2-Trichloroethane	11.024	97	2595	0.833	ug/l #	66
56) Ethyl methacrylate	10.877	69	3093	0.705	ug/l #	89
57) 1,3-Dichloropropane	11.171	76	4505	0.841	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.160	63	6494	3.233	ug/l	95
59) 2-Hexanone	11.201	43	12073	3.719	ug/l	86
60) Dibromochloromethane	11.360	129	2555	0.778	ug/l	91
61) 1,2-Dibromoethane	11.471	107	2571	0.824	ug/l	82
64) Tetrachloroethene	11.107	164	2212	0.920	ug/l #	56
65) Chlorobenzene	11.889	112	6326	0.782	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.960	131	2039	0.694	ug/l #	59
67) Ethyl Benzene	11.966	91	9927	0.721	ug/l #	86
68) m/p-Xylenes	12.077	106	6887	1.297	ug/l	96
69) o-Xylene	12.401	106	3898	0.753	ug/l	78
70) Styrene	12.413	104	5240	0.626	ug/l	91
71) Bromoform	12.583	173	1383	0.642	ug/l #	96
73) Isopropylbenzene	12.707	105	7419	0.699	ug/l	88
74) N-amyl acetate	12.501	43	3036	0.635	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.930	83	3721	0.969	ug/l	98
76) 1,2,3-Trichloropropane	13.001	75	2301m	0.786	ug/l	
77) Bromobenzene	12.983	156	2373	0.896	ug/l	92
78) n-propylbenzene	13.042	91	9566	0.768	ug/l	95
79) 2-Chlorotoluene	13.124	91	6132	0.804	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	6105	0.696	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.742	75	665m	0.662	ug/l	
82) 4-Chlorotoluene	13.124	91	6132	0.804	ug/l	98
83) tert-Butylbenzene	13.442	119	5575	0.703	ug/l	94
84) 1,2,4-Trimethylbenzene	13.489	105	5678	0.650	ug/l	91
85) sec-Butylbenzene	13.618	105	7098	0.641	ug/l	97
86) p-Isopropyltoluene	13.730	119	5132	0.580	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	3762	0.752	ug/l	89
88) 1,4-Dichlorobenzene	13.818	146	4622m	0.927	ug/l	
89) n-Butylbenzene	14.054	91	4858	0.631	ug/l	95
90) Hexachloroethane	14.342	117	1845	0.996	ug/l	77
91) 1,2-Dichlorobenzene	14.107	146	4077	0.794	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.718	75	561	0.754	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.377	180	1989	0.777	ug/l #	12
94) Hexachlorobutadiene	15.495	225	1076	0.858	ug/l #	66
95) Naphthalene	15.636	128	4798	0.618	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.842	180	1722	0.694	ug/l	94

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

