

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076754.D
 Acq On : 21 Feb 2023 16:49
 Operator : JC\MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 22 04:12:43 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	232821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	447439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	147748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	194782	60.587	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.180%			
35) Dibromofluoromethane	8.172	113	147544	50.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	10.566	98	547297	50.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.848	95	158616	43.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	1196	0.484	ug/l	100
3) Chloromethane	2.378	50	1733	0.537	ug/l #	60
4) Vinyl Chloride	2.525	62	1650	0.520	ug/l #	88
5) Bromomethane	2.960	94	1237m	0.643	ug/l	
6) Chloroethane	3.119	64	867	0.432	ug/l #	44
7) Trichlorofluoromethane	3.501	101	2101	0.486	ug/l #	73
8) Diethyl Ether	3.984	74	881m	0.529	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.384	101	883m	0.348	ug/l	
10) Methyl Iodide	4.601	142	1170	0.373	ug/l #	41
11) Tert butyl alcohol	5.536	59	790	1.862	ug/l #	71
12) 1,1-Dichloroethene	4.366	96	1009m	0.420	ug/l	
13) Acrolein	4.189	56	1985	3.116	ug/l	84
14) Allyl chloride	5.060	41	2106m	0.506	ug/l	
15) Acrylonitrile	5.742	53	3828	2.542	ug/l #	68
16) Acetone	4.454	43	4307m	2.999	ug/l	
17) Carbon Disulfide	4.731	76	2685	0.423	ug/l #	73
18) Methyl Acetate	5.042	43	1616	0.345	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	3536	0.436	ug/l #	90
20) Methylene Chloride	5.284	84	2512	0.835	ug/l #	78
21) trans-1,2-Dichloroethene	5.813	96	982m	0.363	ug/l	
22) Diisopropyl ether	6.672	45	3774m	0.386	ug/l	
23) Vinyl Acetate	6.619	43	11617	2.010	ug/l #	82
24) 1,1-Dichloroethane	6.572	63	2548	0.476	ug/l #	81
25) 2-Butanone	7.495	43	5916	2.793	ug/l	97
26) 2,2-Dichloropropane	7.513	77	1598	0.414	ug/l #	52
27) cis-1,2-Dichloroethene	7.495	96	1402	0.437	ug/l	82
28) Bromochloromethane	7.825	49	1547	0.607	ug/l #	92
29) Tetrahydrofuran	7.866	42	3079	2.225	ug/l #	80
30) Chloroform	7.966	83	2781	0.520	ug/l	90
31) Cyclohexane	8.230	56	8838	1.753	ug/l #	3
32) 1,1,1-Trichloroethane	8.189	97	2096	0.466	ug/l #	52
36) 1,1-Dichloropropene	8.383	75	1813m	0.428	ug/l	
37) Ethyl Acetate	7.583	43	2084	0.468	ug/l #	71
38) Carbon Tetrachloride	8.354	117	1720m	0.403	ug/l	
39) Methylcyclohexane	9.601	83	1832	0.381	ug/l #	86
40) Benzene	8.619	78	6037	0.464	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	933	0.362	ug/l #	78
42) 1,2-Dichloroethane	8.683	62	2467	0.544	ug/l	80
43) Isopropyl Acetate	8.689	43	3068	0.423	ug/l #	72
44) Trichloroethene	9.360	130	1176	0.383	ug/l	33
45) 1,2-Dichloropropane	9.630	63	1850	0.538	ug/l	95
46) Dibromomethane	9.701	93	656m	0.298	ug/l	
47) Bromodichloromethane	9.901	83	2117	0.480	ug/l #	61
48) Methyl methacrylate	9.689	41	1117	0.325	ug/l #	85
49) 1,4-Dioxane	9.695	88	634m	10.656	ug/l	
51) 4-Methyl-2-Pentanone	10.454	43	7846	1.701	ug/l	97
52) Toluene	10.624	92	3070	0.391	ug/l	89
53) t-1,3-Dichloropropene	10.836	75	1656	0.389	ug/l #	75
54) cis-1,3-Dichloropropene	10.324	75	2255m	0.459	ug/l	
55) 1,1,2-Trichloroethane	11.013	97	1610	0.504	ug/l #	73
56) Ethyl methacrylate	10.877	69	1540	0.343	ug/l #	73
57) 1,3-Dichloropropane	11.160	76	2575	0.470	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.166	63	3494	1.698	ug/l #	77
59) 2-Hexanone	11.201	43	6460	1.943	ug/l	99
60) Dibromochloromethane	11.366	129	1239	0.368	ug/l	94
61) 1,2-Dibromoethane	11.477	107	1388	0.434	ug/l	93
64) Tetrachloroethene	11.107	164	1061	0.438	ug/l #	75
65) Chlorobenzene	11.895	112	3662	0.449	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.960	131	1450	0.490	ug/l #	64
67) Ethyl Benzene	11.965	91	5794	0.417	ug/l #	73
68) m/p-Xylenes	12.071	106	4221	0.789	ug/l	92
69) o-Xylene	12.395	106	2086	0.400	ug/l	91
70) Styrene	12.413	104	3009	0.356	ug/l	90
71) Bromoform	12.571	173	528	0.243	ug/l #	28
73) Isopropylbenzene	12.695	105	4563	0.421	ug/l	95
74) N-amyl acetate	12.501	43	1801	0.369	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.936	83	1742	0.444	ug/l #	76
76) 1,2,3-Trichloropropane	12.995	75	1607m	0.538	ug/l	
77) Bromobenzene	12.989	156	1426	0.528	ug/l	91
78) n-propylbenzene	13.042	91	5013	0.394	ug/l	94
79) 2-Chlorotoluene	13.130	91	3402	0.437	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	3006	0.336	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	303m	0.295	ug/l	
82) 4-Chlorotoluene	13.130	91	3402	0.437	ug/l	98
83) tert-Butylbenzene	13.436	119	3361	0.415	ug/l	95
84) 1,2,4-Trimethylbenzene	13.477	105	3274	0.367	ug/l	92
85) sec-Butylbenzene	13.612	105	4372	0.387	ug/l	96
86) p-Isopropyltoluene	13.724	119	3351	0.371	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	2776	0.544	ug/l #	66
88) 1,4-Dichlorobenzene	13.801	146	3159	0.621	ug/l #	31
89) n-Butylbenzene	14.059	91	3290	0.419	ug/l	91
90) Hexachloroethane	14.324	117	1052	0.557	ug/l	80
91) 1,2-Dichlorobenzene	14.112	146	1780	0.340	ug/l	75
92) 1,2-Dibromo-3-Chloropr...	14.730	75	317	0.417	ug/l #	38
93) 1,2,4-Trichlorobenzene	15.389	180	1119m	0.428	ug/l	
94) Hexachlorobutadiene	15.506	225	460	0.359	ug/l #	70
95) Naphthalene	15.642	128	2818	0.356	ug/l	96
96) 1,2,3-Trichlorobenzene	15.842	180	1440	0.569	ug/l #	48

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

