

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076759.D
 Acq On : 21 Feb 2023 18:48
 Operator : JC\MD
 Sample : 01627-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Feb 22 04:14:00 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	253119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	464127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	147167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192896	55.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	110.380%		
35) Dibromofluoromethane	8.172	113	149523	49.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.571	98	554018	48.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.854	95	155512	41.365	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.720%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	1633	0.608	ug/l	97
3) Chloromethane	2.378	50	3168	0.903	ug/l	98
4) Vinyl Chloride	2.531	62	3492	1.012	ug/l	95
5) Bromomethane	2.966	94	3493	1.670	ug/l #	66
6) Chloroethane	3.137	64	2745	1.259	ug/l #	85
7) Trichlorofluoromethane	3.513	101	3996	0.851	ug/l #	76
8) Diethyl Ether	3.984	74	1830	1.011	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.389	101	2266m	0.821	ug/l	
10) Methyl Iodide	4.607	142	2459	0.722	ug/l #	86
11) Tert butyl alcohol	5.519	59	2542m	5.510	ug/l	
12) 1,1-Dichloroethene	4.360	96	2263m	0.866	ug/l	
13) Acrolein	4.195	56	2840	4.100	ug/l #	81
14) Allyl chloride	5.048	41	4091m	0.904	ug/l	
15) Acrylonitrile	5.731	53	8484	5.182	ug/l	90
16) Acetone	4.448	43	7443	4.767	ug/l	94
17) Carbon Disulfide	4.731	76	6124	0.888	ug/l #	73
18) Methyl Acetate	5.036	43	4951m	0.972	ug/l	
19) Methyl tert-butyl Ether	5.819	73	8221m	0.933	ug/l	
20) Methylene Chloride	5.289	84	4914	1.502	ug/l #	64
21) trans-1,2-Dichloroethene	5.807	96	2614	0.889	ug/l #	67
22) Diisopropyl ether	6.689	45	8721	0.821	ug/l #	75
23) Vinyl Acetate	6.613	43	28448	4.528	ug/l	97
24) 1,1-Dichloroethane	6.589	63	5508	0.947	ug/l #	81
25) 2-Butanone	7.495	43	10918	4.741	ug/l #	82
26) 2,2-Dichloropropane	7.495	77	4076	0.971	ug/l #	63
27) cis-1,2-Dichloroethene	7.477	96	2826	0.810	ug/l #	65
28) Bromochloromethane	7.813	49	2084	0.752	ug/l #	94
29) Tetrahydrofuran	7.860	42	7487	4.976	ug/l #	76
30) Chloroform	7.977	83	4954	0.852	ug/l	95
31) Cyclohexane	8.260	56	6765m	1.234	ug/l	
32) 1,1,1-Trichloroethane	8.172	97	4765	0.975	ug/l #	23
36) 1,1-Dichloropropene	8.383	75	3823	0.871	ug/l	97
37) Ethyl Acetate	7.566	43	4364	0.944	ug/l #	76
38) Carbon Tetrachloride	8.366	117	4182	0.944	ug/l #	74
39) Methylcyclohexane	9.601	83	4121	0.826	ug/l #	87
40) Benzene	8.613	78	11493	0.852	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	2509	0.937	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	5497	1.169	ug/l	97
43) Isopropyl Acetate	8.701	43	6687	0.889	ug/l #	63
44) Trichloroethene	9.348	130	3115	0.977	ug/l	67
45) 1,2-Dichloropropane	9.624	63	3205	0.898	ug/l #	88
46) Dibromomethane	9.707	93	2187	0.958	ug/l #	84
47) Bromodichloromethane	9.895	83	3581	0.783	ug/l #	91
48) Methyl methacrylate	9.683	41	3486	0.977	ug/l	90
49) 1,4-Dioxane	9.707	88	1259m	20.400	ug/l	
51) 4-Methyl-2-Pentanone	10.448	43	18951	3.962	ug/l	99
52) Toluene	10.636	92	7395	0.908	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	3341	0.756	ug/l	94
54) cis-1,3-Dichloropropene	10.307	75	3873	0.760	ug/l #	81
55) 1,1,2-Trichloroethane	11.018	97	3216	0.971	ug/l #	84
56) Ethyl methacrylate	10.871	69	3670	0.788	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	4949	0.870	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.166	63	8944	4.191	ug/l #	88
59) 2-Hexanone	11.201	43	14421	4.181	ug/l	91
60) Dibromochloromethane	11.360	129	2735	0.784	ug/l	93
61) 1,2-Dibromoethane	11.477	107	2537	0.766	ug/l	86
64) Tetrachloroethene	11.107	164	2300	0.938	ug/l #	69
65) Chlorobenzene	11.895	112	7215	0.875	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.960	131	2693	0.899	ug/l #	64
67) Ethyl Benzene	11.960	91	12648	0.900	ug/l #	87
68) m/p-Xylenes	12.071	106	8277	1.528	ug/l	96
69) o-Xylene	12.395	106	3917	0.741	ug/l	98
70) Styrene	12.418	104	6605	0.773	ug/l	90
71) Bromoform	12.577	173	1316	0.599	ug/l #	99
73) Isopropylbenzene	12.695	105	9004	0.835	ug/l	95
74) N-amyl acetate	12.495	43	3686	0.758	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.930	83	4383	1.123	ug/l #	97
76) 1,2,3-Trichloropropane	12.989	75	4172m	1.402	ug/l	
77) Bromobenzene	12.989	156	3043	1.131	ug/l	96
78) n-propylbenzene	13.036	91	11635	0.919	ug/l	98
79) 2-Chlorotoluene	13.130	91	8007	1.032	ug/l	89
80) 1,3,5-Trimethylbenzene	13.171	105	7610	0.854	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.742	75	979m	0.958	ug/l	
82) 4-Chlorotoluene	13.130	91	8007	1.032	ug/l	89
83) tert-Butylbenzene	13.442	119	7359	0.913	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	7729	0.870	ug/l	97
85) sec-Butylbenzene	13.618	105	9465	0.841	ug/l	97
86) p-Isopropyltoluene	13.730	119	6873	0.764	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	4831	0.950	ug/l	89
88) 1,4-Dichlorobenzene	13.812	146	5373m	1.061	ug/l	
89) n-Butylbenzene	14.053	91	5919	0.757	ug/l	97
90) Hexachloroethane	14.330	117	1756	0.933	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	4892	0.938	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.736	75	575	0.760	ug/l #	36
93) 1,2,4-Trichlorobenzene	15.395	180	1748	0.672	ug/l	90
94) Hexachlorobutadiene	15.512	225	1088	0.853	ug/l	82
95) Naphthalene	15.636	128	5339	0.676	ug/l	97
96) 1,2,3-Trichlorobenzene	15.836	180	1824	0.724	ug/l	78

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

