

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076912.D
 Acq On : 09 Mar 2023 19:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 10 03:50:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	361891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	637361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	557700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	253670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	266559	52.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	8.172	113	193849	48.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.240%			
50) Toluene-d8	10.572	98	676580	44.044	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.080%			
62) 4-Bromofluorobenzene	12.848	95	253044	47.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	188328	44.723	ug/l	97
3) Chloromethane	2.378	50	150592	27.190	ug/l	98
4) Vinyl Chloride	2.531	62	130322	25.671	ug/l	93
5) Bromomethane	2.960	94	107255	32.153	ug/l	99
6) Chloroethane	3.131	64	88969	29.578	ug/l	95
7) Trichlorofluoromethane	3.513	101	329154	44.438	ug/l	98
8) Diethyl Ether	3.978	74	152435	53.499	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.390	101	179356	41.413	ug/l	99
10) Methyl Iodide	4.607	142	213764	47.323	ug/l	93
11) Tert butyl alcohol	5.537	59	198833	263.900	ug/l	99
12) 1,1-Dichloroethene	4.354	96	176196	43.629	ug/l	90
13) Acrolein	4.195	56	236124	242.254	ug/l	100
14) Allyl chloride	5.037	41	322643m	47.853	ug/l	
15) Acrylonitrile	5.731	53	611893	252.529	ug/l	99
16) Acetone	4.443	43	471686	212.975	ug/l	96
17) Carbon Disulfide	4.725	76	449809	41.027	ug/l	98
18) Methyl Acetate	5.037	43	366001	48.228	ug/l	90
19) Methyl tert-butyl Ether	5.807	73	805241	58.147	ug/l	99
20) Methylene Chloride	5.290	84	244071	47.234	ug/l #	86
21) trans-1,2-Dichloroethene	5.795	96	202355	46.342	ug/l	89
22) Diisopropyl ether	6.684	45	713376	47.029	ug/l #	94
23) Vinyl Acetate	6.613	43	2442918	252.836	ug/l #	93
24) 1,1-Dichloroethane	6.584	63	413481	47.802	ug/l	97
25) 2-Butanone	7.495	43	747743	231.124	ug/l	91
26) 2,2-Dichloropropane	7.501	77	314444	49.639	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	243859	47.672	ug/l	85
28) Bromochloromethane	7.825	49	172627	47.195	ug/l	83
29) Tetrahydrofuran	7.848	42	485720	232.729	ug/l	85
30) Chloroform	7.972	83	446550	51.978	ug/l	96
31) Cyclohexane	8.266	56	298415	34.816	ug/l	88
32) 1,1,1-Trichloroethane	8.178	97	367293	49.371	ug/l	96
36) 1,1-Dichloropropene	8.378	75	278118	43.399	ug/l	96
37) Ethyl Acetate	7.566	43	303269	46.105	ug/l	97
38) Carbon Tetrachloride	8.372	117	317395	48.754	ug/l	99
39) Methylcyclohexane	9.607	83	326247	41.303	ug/l #	87
40) Benzene	8.613	78	916872	46.968	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	173027	48.170	ug/l	89
42) 1,2-Dichloroethane	8.678	62	372193	54.733	ug/l	94
43) Isopropyl Acetate	8.695	43	548474	54.466	ug/l #	90
44) Trichloroethene	9.360	130	209502	45.263	ug/l	100
45) 1,2-Dichloropropane	9.625	63	238770	47.332	ug/l	100
46) Dibromomethane	9.713	93	172605	53.871	ug/l	97
47) Bromodichloromethane	9.889	83	357578	54.287	ug/l	99
48) Methyl methacrylate	9.683	41	251071	51.310	ug/l	84
49) 1,4-Dioxane	9.701	88	87338	973.815	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	1556009	244.973	ug/l	94
52) Toluene	10.630	92	554742	47.726	ug/l	97
53) t-1,3-Dichloropropene	10.842	75	369645	57.894	ug/l	99
54) cis-1,3-Dichloropropene	10.319	75	396929	54.122	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	238447	51.569	ug/l	98
56) Ethyl methacrylate	10.877	69	390117	56.626	ug/l #	85
57) 1,3-Dichloropropane	11.166	76	415371	51.740	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	660022	276.499	ug/l	94
59) 2-Hexanone	11.201	43	1125258	244.482	ug/l	92
60) Dibromochloromethane	11.360	129	264974	58.155	ug/l	97
61) 1,2-Dibromoethane	11.471	107	238390	53.641	ug/l	98
64) Tetrachloroethene	11.107	164	169198	40.768	ug/l	98
65) Chlorobenzene	11.895	112	568843	47.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	235288	53.967	ug/l	97
67) Ethyl Benzene	11.966	91	1038086	47.435	ug/l	97
68) m/p-Xylenes	12.071	106	777008	94.370	ug/l	89
69) o-Xylene	12.401	106	392153	48.365	ug/l	84
70) Styrene	12.413	104	664180	52.247	ug/l #	93
71) Bromoform	12.583	173	186237	62.756	ug/l #	98
73) Isopropylbenzene	12.701	105	1001743	45.304	ug/l	95
74) N-amyl acetate	12.495	43	421006	48.684	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	351088	49.544	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	312203m	48.801	ug/l	
77) Bromobenzene	12.983	156	231515	47.315	ug/l	85
78) n-propylbenzene	13.036	91	1139055	45.172	ug/l	95
79) 2-Chlorotoluene	13.130	91	735548	45.474	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	881389	47.560	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.742	75	102346	52.761	ug/l	89
82) 4-Chlorotoluene	13.224	91	713820	46.550	ug/l	91
83) tert-Butylbenzene	13.442	119	725661	45.822	ug/l	90
84) 1,2,4-Trimethylbenzene	13.483	105	888820	48.621	ug/l	92
85) sec-Butylbenzene	13.618	105	1010392	45.697	ug/l	97
86) p-Isopropyltoluene	13.730	119	855422	48.370	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	422925	47.337	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	417733	46.048	ug/l	97
89) n-Butylbenzene	14.060	91	704427	46.107	ug/l	98
90) Hexachloroethane	14.336	117	151623	47.453	ug/l	88
91) 1,2-Dichlorobenzene	14.107	146	433327	47.881	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	77946	58.048	ug/l	84
93) 1,2,4-Trichlorobenzene	15.395	180	241614	53.366	ug/l	98
94) Hexachlorobutadiene	15.501	225	120120	50.955	ug/l	99
95) Naphthalene	15.642	128	829770	57.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	243509	54.721	ug/l	98

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

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