

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022723\
 Data File : VN076821.D
 Acq On : 27 Feb 2023 16:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:51:01 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

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	259735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	464545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	457054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	244894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	192825	53.763	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.520%			
35) Dibromofluoromethane	8.166	113	151597	49.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	10.566	98	618881	54.473	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.940%			
62) 4-Bromofluorobenzene	12.854	95	224373	59.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	115089	41.730	ug/l	99
3) Chloromethane	2.378	50	149597	41.575	ug/l	91
4) Vinyl Chloride	2.531	62	166036	46.885	ug/l	97
5) Bromomethane	2.954	94	106845	49.794	ug/l	95
6) Chloroethane	3.125	64	117209	52.371	ug/l	97
7) Trichlorofluoromethane	3.507	101	218195	45.284	ug/l	98
8) Diethyl Ether	3.972	74	97179	52.340	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	140126	49.494	ug/l	99
10) Methyl Iodide	4.595	142	188014	53.775	ug/l	98
11) Tert butyl alcohol	5.525	59	128644	271.737	ug/l	98
12) 1,1-Dichloroethene	4.348	96	126153	47.056	ug/l	84
13) Acrolein	4.184	56	179180	252.103	ug/l	99
14) Allyl chloride	5.031	41	242582	52.221	ug/l	98
15) Acrylonitrile	5.725	53	456325	271.604	ug/l	99
16) Acetone	4.437	43	396880	247.729	ug/l	92
17) Carbon Disulfide	4.725	76	309868	43.776	ug/l #	95
18) Methyl Acetate	5.031	43	290991	55.645	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	512978	56.754	ug/l	96
20) Methylene Chloride	5.284	84	165087	49.167	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	147227	48.785	ug/l	91
22) Diisopropyl ether	6.672	45	649556	59.618	ug/l	94
23) Vinyl Acetate	6.613	43	2149660	333.467	ug/l	97
24) 1,1-Dichloroethane	6.578	63	316835	53.060	ug/l	96
25) 2-Butanone	7.484	43	645933	273.332	ug/l	98
26) 2,2-Dichloropropane	7.495	77	253552	58.869	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	185107	51.714	ug/l	94
28) Bromochloromethane	7.813	49	167804	59.045	ug/l	89
29) Tetrahydrofuran	7.836	42	433654	280.867	ug/l	99
30) Chloroform	7.966	83	326354	54.702	ug/l	97
31) Cyclohexane	8.260	56	282347	50.186	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	272813	54.386	ug/l	96
36) 1,1-Dichloropropene	8.378	75	243591	55.419	ug/l	97
37) Ethyl Acetate	7.566	43	262158	56.687	ug/l	97
38) Carbon Tetrachloride	8.366	117	230834	52.059	ug/l	97
39) Methylcyclohexane	9.607	83	277086	55.458	ug/l	97
40) Benzene	8.607	78	747413	55.371	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	148553	55.448	ug/l	93
42) 1,2-Dichloroethane	8.672	62	259951	55.217	ug/l	98
43) Isopropyl Acetate	8.689	43	449317	59.707	ug/l	98
44) Trichloroethene	9.354	130	167376	52.472	ug/l	92
45) 1,2-Dichloropropane	9.625	63	204083	57.114	ug/l	99
46) Dibromomethane	9.713	93	131303	57.478	ug/l	94
47) Bromodichloromethane	9.889	83	272425	59.482	ug/l #	98
48) Methyl methacrylate	9.683	41	210365	58.910	ug/l	96
49) 1,4-Dioxane	9.695	88	71498	1157.463	ug/l #	80
51) 4-Methyl-2-Pentanone	10.448	43	1446964	302.206	ug/l	99
52) Toluene	10.630	92	478019	58.656	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	283583	64.150	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	300960	59.023	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	192519	58.096	ug/l	96
56) Ethyl methacrylate	10.877	69	292500	62.708	ug/l	97
57) 1,3-Dichloropropane	11.166	76	334537	58.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	586070	274.349	ug/l	97
59) 2-Hexanone	11.195	43	1040939	301.519	ug/l	98
60) Dibromochloromethane	11.360	129	202172	57.887	ug/l	99
61) 1,2-Dibromoethane	11.471	107	191482	57.728	ug/l	97
64) Tetrachloroethene	11.107	164	142693	49.541	ug/l	97
65) Chlorobenzene	11.895	112	512838	52.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	191619	54.464	ug/l	99
67) Ethyl Benzene	11.966	91	947454	57.414	ug/l	98
68) m/p-Xylenes	12.071	106	733002	115.237	ug/l	95
69) o-Xylene	12.401	106	368308	59.370	ug/l	97
70) Styrene	12.413	104	623713	62.174	ug/l	98
71) Bromoform	12.583	173	143752	55.702	ug/l #	99
73) Isopropylbenzene	12.695	105	966621	53.851	ug/l	98
74) N-amyl acetate	12.495	43	415793	51.391	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	304196	46.818	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	250762m	50.648	ug/l	
77) Bromobenzene	12.977	156	219451	49.002	ug/l	96
78) n-propylbenzene	13.036	91	1181837	56.070	ug/l	99
79) 2-Chlorotoluene	13.124	91	677522	52.498	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	829170	55.895	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	90709	53.361	ug/l	92
82) 4-Chlorotoluene	13.124	91	677522	52.498	ug/l	97
83) tert-Butylbenzene	13.442	119	724844	54.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	836287	56.566	ug/l	99
85) sec-Butylbenzene	13.618	105	1086103	57.968	ug/l	98
86) p-Isopropyltoluene	13.730	119	904731	60.471	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	449024	53.041	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	447083	53.033	ug/l	99
89) n-Butylbenzene	14.060	91	807572	62.061	ug/l	99
90) Hexachloroethane	14.336	117	161053	51.411	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	441147	50.830	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	55297	43.928	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	228193	52.710	ug/l	99
94) Hexachlorobutadiene	15.501	225	106566	50.224	ug/l	98
95) Naphthalene	15.642	128	699191	53.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	221417	52.791	ug/l	98

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

