

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075906.D
 Acq On : 20 Dec 2022 18:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 01:29:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	349475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	553354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	496458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198159	52.120	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.240%			
35) Dibromofluoromethane	8.171	113	184919	53.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.920%			
50) Toluene-d8	10.571	98	690645	53.904	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.800%			
62) 4-Bromofluorobenzene	12.853	95	238951	56.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	109907	44.293	ug/l	100
3) Chloromethane	2.377	50	127275	41.249	ug/l	99
4) Vinyl Chloride	2.530	62	156534	42.529	ug/l	97
5) Bromomethane	2.947	94	132919	42.493	ug/l	97
6) Chloroethane	3.124	64	116563	42.766	ug/l	93
7) Trichlorofluoromethane	3.506	101	255450	45.739	ug/l	96
8) Diethyl Ether	3.971	74	100138	49.090	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	155132	48.644	ug/l	98
10) Methyl Iodide	4.600	142	245187	47.374	ug/l	99
11) Tert butyl alcohol	5.536	59	126654	235.428	ug/l	99
12) 1,1-Dichloroethene	4.353	96	143910	46.462	ug/l	99
13) Acrolein	4.189	56	194751	295.284	ug/l	99
14) Allyl chloride	5.036	41	171022	47.233	ug/l	92
15) Acrylonitrile	5.730	53	353221	240.598	ug/l	100
16) Acetone	4.442	43	284567	217.125	ug/l	97
17) Carbon Disulfide	4.724	76	323120	43.087	ug/l	98
18) Methyl Acetate	5.036	43	187537	48.408	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	520656	51.046	ug/l	99
20) Methylene Chloride	5.289	84	168767	48.113	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	157176	46.336	ug/l	97
22) Diisopropyl ether	6.683	45	442795	50.342	ug/l	98
23) Vinyl Acetate	6.612	43	1494229	252.393	ug/l	99
24) 1,1-Dichloroethane	6.577	63	280534	47.823	ug/l	97
25) 2-Butanone	7.488	43	445678	242.864	ug/l	95
26) 2,2-Dichloropropane	7.494	77	245277	49.374	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	194932	48.049	ug/l	97
28) Bromochloromethane	7.824	49	114831	44.662	ug/l	98
29) Tetrahydrofuran	7.847	42	286345	248.995	ug/l	99
30) Chloroform	7.971	83	311445	47.155	ug/l	95
31) Cyclohexane	8.265	56	246628	45.294	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	284767	48.633	ug/l	99
36) 1,1-Dichloropropene	8.377	75	220370	48.409	ug/l	98
37) Ethyl Acetate	7.571	43	181013	49.504	ug/l	98
38) Carbon Tetrachloride	8.371	117	247136	48.506	ug/l	98
39) Methylcyclohexane	9.606	83	286479	52.164	ug/l	100
40) Benzene	8.612	78	680947	48.483	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	96342	50.689	ug/l	96
42) 1,2-Dichloroethane	8.677	62	226919	48.597	ug/l	100
43) Isopropyl Acetate	8.694	43	320948	53.210	ug/l	98
44) Trichloroethene	9.353	130	185805	46.959	ug/l	99
45) 1,2-Dichloropropane	9.624	63	165621	48.458	ug/l	99
46) Dibromomethane	9.712	93	122284	48.238	ug/l	98
47) Bromodichloromethane	9.888	83	249742	50.237	ug/l	96
48) Methyl methacrylate	9.682	41	147854	54.425	ug/l	97
49) 1,4-Dioxane	9.694	88	64714	968.960	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	955102	261.834	ug/l	100
52) Toluene	10.635	92	447972	48.973	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	259214	53.267	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	280582	52.515	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	179066	49.874	ug/l	98
56) Ethyl methacrylate	10.876	69	264776	55.521	ug/l	99
57) 1,3-Dichloropropane	11.165	76	292073	49.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	449388	295.972	ug/l	100
59) 2-Hexanone	11.200	43	695313	261.378	ug/l	100
60) Dibromochloromethane	11.365	129	201500	50.466	ug/l	99
61) 1,2-Dibromoethane	11.470	107	182186	50.143	ug/l	98
64) Tetrachloroethene	11.106	164	165364	47.335	ug/l	98
65) Chlorobenzene	11.894	112	494489	48.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	188276	49.885	ug/l	99
67) Ethyl Benzene	11.965	91	888203	51.647	ug/l	99
68) m/p-Xylenes	12.076	106	706340	103.770	ug/l	100
69) o-Xylene	12.400	106	355074	52.712	ug/l	97
70) Styrene	12.412	104	578746	54.036	ug/l	99
71) Bromoform	12.582	173	148221	53.970	ug/l #	99
73) Isopropylbenzene	12.700	105	920529	50.354	ug/l	99
74) N-amyl acetate	12.494	43	289341	53.950	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	263464	46.619	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	252318m	49.480	ug/l	
77) Bromobenzene	12.982	156	218818	47.296	ug/l	99
78) n-propylbenzene	13.041	91	1047350	51.944	ug/l	100
79) 2-Chlorotoluene	13.129	91	621210	49.355	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	782044	51.112	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	87798	61.973	ug/l #	86
82) 4-Chlorotoluene	13.129	91	621210	49.355	ug/l	100
83) tert-Butylbenzene	13.441	119	703144	52.123	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	796615	52.482	ug/l	99
85) sec-Butylbenzene	13.617	105	993987	53.384	ug/l	99
86) p-Isopropyltoluene	13.735	119	849839	54.853	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	420621	49.218	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	412139	47.207	ug/l	100
89) n-Butylbenzene	14.059	91	692417	55.166	ug/l	100
90) Hexachloroethane	14.335	117	147557	53.243	ug/l	99
91) 1,2-Dichlorobenzene	14.111	146	418436	49.708	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45994	45.865	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	209175	50.192	ug/l	99
94) Hexachlorobutadiene	15.506	225	113084	49.735	ug/l	100
95) Naphthalene	15.641	128	619144	45.189	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	200007	51.347	ug/l	99

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

