

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075908.D
 Acq On : 21 Dec 2022 10:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 21 14:14:48 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	335899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	521925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	467836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	182166	49.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	8.171	113	169643	52.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.980%		
50) Toluene-d8	10.571	98	631552	52.260	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.520%		
62) 4-Bromofluorobenzene	12.853	95	220391	55.061	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	108206	45.370	ug/l	98
3) Chloromethane	2.371	50	129111	43.535	ug/l	96
4) Vinyl Chloride	2.530	62	155052	43.829	ug/l	100
5) Bromomethane	2.959	94	127982	42.568	ug/l	99
6) Chloroethane	3.130	64	115780	44.195	ug/l	98
7) Trichlorofluoromethane	3.512	101	259073	48.263	ug/l	95
8) Diethyl Ether	3.971	74	100393	51.205	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	158744	51.789	ug/l	100
10) Methyl Iodide	4.600	142	243323	48.914	ug/l	99
11) Tert butyl alcohol	5.536	59	111844	216.302	ug/l	98
12) 1,1-Dichloroethene	4.353	96	148278	49.807	ug/l	99
13) Acrolein	4.189	56	181565	286.418	ug/l	96
14) Allyl chloride	5.042	41	190158	54.641	ug/l	99
15) Acrylonitrile	5.730	53	329130	233.249	ug/l	98
16) Acetone	4.442	43	358162	284.324	ug/l	99
17) Carbon Disulfide	4.724	76	328818	45.619	ug/l	98
18) Methyl Acetate	5.036	43	177201	47.589	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	512323	52.259	ug/l	100
20) Methylene Chloride	5.295	84	166181	49.306	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	159228	48.838	ug/l	97
22) Diisopropyl ether	6.683	45	443355	52.442	ug/l	98
23) Vinyl Acetate	6.612	43	1468174	258.015	ug/l	99
24) 1,1-Dichloroethane	6.577	63	281420	49.913	ug/l	99
25) 2-Butanone	7.489	43	465085	263.683	ug/l	97
26) 2,2-Dichloropropane	7.494	77	253538	53.100	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	197702	50.702	ug/l	97
28) Bromochloromethane	7.818	49	112974	45.716	ug/l	98
29) Tetrahydrofuran	7.841	42	266240	240.869	ug/l	99
30) Chloroform	7.971	83	314631	49.563	ug/l	95
31) Cyclohexane	8.259	56	242498	46.335	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	292068	51.896	ug/l	100
36) 1,1-Dichloropropene	8.377	75	226118	52.663	ug/l	98
37) Ethyl Acetate	7.565	43	167009	48.424	ug/l	96
38) Carbon Tetrachloride	8.371	117	256194	53.312	ug/l	98
39) Methylcyclohexane	9.606	83	293972	56.751	ug/l	99
40) Benzene	8.612	78	682095	51.489	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	94655	52.801	ug/l	98
42) 1,2-Dichloroethane	8.677	62	229103	52.019	ug/l	99
43) Isopropyl Acetate	8.688	43	304401	53.506	ug/l	99
44) Trichloroethene	9.353	130	188834	50.598	ug/l	95
45) 1,2-Dichloropropane	9.624	63	167422	51.935	ug/l	100
46) Dibromomethane	9.712	93	123776	51.767	ug/l	98
47) Bromodichloromethane	9.888	83	250247	53.370	ug/l	100
48) Methyl methacrylate	9.682	41	138113	53.901	ug/l	99
49) 1,4-Dioxane	9.700	88	59244	940.475	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	897244	260.784	ug/l	100
52) Toluene	10.635	92	454367	52.664	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	256166	55.811	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	282729	56.103	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	177722	52.481	ug/l	99
56) Ethyl methacrylate	10.877	69	253097	56.268	ug/l	99
57) 1,3-Dichloropropane	11.165	76	286692	51.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	428175	298.982	ug/l	98
59) 2-Hexanone	11.200	43	678243	270.314	ug/l	100
60) Dibromochloromethane	11.359	129	203176	53.950	ug/l	100
61) 1,2-Dibromoethane	11.471	107	176636	51.543	ug/l	98
64) Tetrachloroethene	11.106	164	181862	55.243	ug/l	98
65) Chlorobenzene	11.894	112	485221	50.532	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	189957	53.409	ug/l	99
67) Ethyl Benzene	11.965	91	882185	54.435	ug/l	98
68) m/p-Xylenes	12.071	106	707565	110.309	ug/l	98
69) o-Xylene	12.400	106	345406	54.414	ug/l	100
70) Styrene	12.412	104	569592	56.435	ug/l	100
71) Bromoform	12.582	173	142183	54.939	ug/l #	99
73) Isopropylbenzene	12.700	105	907485	55.480	ug/l	99
74) N-amyl acetate	12.494	43	264636	55.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	241256	47.711	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	204703m	44.865	ug/l	
77) Bromobenzene	12.982	156	212026	51.219	ug/l	99
78) n-propylbenzene	13.035	91	1041621	57.736	ug/l	99
79) 2-Chlorotoluene	13.129	91	602815	53.528	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	759255	55.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	71130	56.114	ug/l	99
82) 4-Chlorotoluene	13.129	91	602815	53.528	ug/l	100
83) tert-Butylbenzene	13.441	119	669414	55.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	760168	55.973	ug/l	100
85) sec-Butylbenzene	13.618	105	965965	57.982	ug/l	99
86) p-Isopropyltoluene	13.729	119	815803	58.850	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	407188	53.251	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	398120	50.965	ug/l	100
89) n-Butylbenzene	14.059	91	679758	60.529	ug/l	100
90) Hexachloroethane	14.335	117	142821	57.596	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	403062	53.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44350	49.429	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	218794	58.675	ug/l	99
94) Hexachlorobutadiene	15.506	225	114209	56.138	ug/l	99
95) Naphthalene	15.641	128	611295	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	212722	61.036	ug/l	99

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

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