

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076761.D
 Acq On : 21 Feb 2023 19:36
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 04:14:33 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	8.231	168	281842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	512899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	503692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	266896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	216673	55.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	8.172	113	167453	49.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	10.572	98	683367	54.478	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.960%			
62) 4-Bromofluorobenzene	12.854	95	247276	59.519	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	140442	46.928	ug/l	96
3) Chloromethane	2.378	50	176092	45.100	ug/l	98
4) Vinyl Chloride	2.525	62	189833	49.400	ug/l	98
5) Bromomethane	2.949	94	125068	53.714	ug/l	95
6) Chloroethane	3.119	64	137100	56.454	ug/l	98
7) Trichlorofluoromethane	3.507	101	243271	46.528	ug/l	99
8) Diethyl Ether	3.966	74	99412	49.343	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.378	101	144861	47.153	ug/l	98
10) Methyl Iodide	4.596	142	201823	53.197	ug/l	96
11) Tert butyl alcohol	5.543	59	150487	292.943	ug/l	100
12) 1,1-Dichloroethene	4.348	96	138945	47.762	ug/l	93
13) Acrolein	4.190	56	181529	235.375	ug/l	99
14) Allyl chloride	5.037	41	249519	49.501	ug/l	99
15) Acrylonitrile	5.731	53	498488	273.427	ug/l	99
16) Acetone	4.443	43	407046	234.145	ug/l	94
17) Carbon Disulfide	4.725	76	339548	44.207	ug/l	98
18) Methyl Acetate	5.037	43	310114	54.650	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	536529	54.703	ug/l	100
20) Methylene Chloride	5.284	84	172750	47.414	ug/l	98
21) trans-1,2-Dichloroethene	5.801	96	155147	47.377	ug/l #	90
22) Diisopropyl ether	6.678	45	662898	56.070	ug/l	96
23) Vinyl Acetate	6.613	43	2187718	312.751	ug/l	97
24) 1,1-Dichloroethane	6.578	63	329838	50.905	ug/l	97
25) 2-Butanone	7.489	43	689108	268.730	ug/l	100
26) 2,2-Dichloropropane	7.501	77	241605	51.696	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	193703	49.871	ug/l	95
28) Bromochloromethane	7.819	49	160085	51.910	ug/l	93
29) Tetrahydrofuran	7.842	42	482401	287.932	ug/l	100
30) Chloroform	7.972	83	342830	52.956	ug/l	97
31) Cyclohexane	8.266	56	307074	50.300	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	287243	52.771	ug/l	97
36) 1,1-Dichloropropene	8.378	75	244460	50.373	ug/l	99
37) Ethyl Acetate	7.566	43	290992	56.990	ug/l	96
38) Carbon Tetrachloride	8.366	117	244798	50.003	ug/l	94
39) Methylcyclohexane	9.607	83	297161	53.869	ug/l	97
40) Benzene	8.613	78	780770	52.389	ug/l	97

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41) Methacrylonitrile	7.784	41	161734	54.677	ug/l	96
42) 1,2-Dichloroethane	8.678	62	270212	51.986	ug/l	98
43) Isopropyl Acetate	8.695	43	475603	57.242	ug/l	98
44) Trichloroethene	9.354	130	175258	49.764	ug/l	91
45) 1,2-Dichloropropane	9.625	63	207349	52.558	ug/l	98
46) Dibromomethane	9.707	93	135050	53.545	ug/l	96
47) Bromodichloromethane	9.889	83	275602	54.502	ug/l #	98
48) Methyl methacrylate	9.683	41	225781	57.266	ug/l	98
49) 1,4-Dioxane	9.695	88	82265	1206.214	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1566467	296.321	ug/l	99
52) Toluene	10.630	92	503875	56.000	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	284236	58.236	ug/l	96
54) cis-1,3-Dichloropropene	10.313	75	303992	53.997	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	201053	54.951	ug/l	94
56) Ethyl methacrylate	10.877	69	312340	60.648	ug/l	98
57) 1,3-Dichloropropane	11.166	76	344033	54.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	665220	282.042	ug/l	98
59) 2-Hexanone	11.195	43	1145905	300.631	ug/l	100
60) Dibromochloromethane	11.360	129	215097	55.781	ug/l	99
61) 1,2-Dibromoethane	11.472	107	197389	53.899	ug/l	99
64) Tetrachloroethene	11.107	164	149665	47.150	ug/l	96
65) Chlorobenzene	11.895	112	538341	50.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	200372	51.678	ug/l	99
67) Ethyl Benzene	11.966	91	991187	54.503	ug/l	100
68) m/p-Xylenes	12.072	106	766387	109.329	ug/l	95
69) o-Xylene	12.401	106	379631	55.529	ug/l	98
70) Styrene	12.413	104	646669	58.494	ug/l	99
71) Bromoform	12.583	173	153726	54.051	ug/l	98
73) Isopropylbenzene	12.701	105	1010699	51.665	ug/l	98
74) N-amyl acetate	12.495	43	445047	50.472	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.936	83	324741	45.860	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	267323m	49.542	ug/l	
77) Bromobenzene	12.983	156	228976	46.914	ug/l	97
78) n-propylbenzene	13.036	91	1189255	51.771	ug/l	100
79) 2-Chlorotoluene	13.130	91	695182	49.426	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	846930	52.386	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	90345	48.766	ug/l	93
82) 4-Chlorotoluene	13.130	91	695182	49.426	ug/l	100
83) tert-Butylbenzene	13.442	119	747989	51.143	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	850584	52.790	ug/l	97
85) sec-Butylbenzene	13.618	105	1106511	54.189	ug/l	99
86) p-Isopropyltoluene	13.730	119	913952	56.052	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	457796	49.619	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	452336	49.233	ug/l	100
89) n-Butylbenzene	14.060	91	773570	54.547	ug/l	100
90) Hexachloroethane	14.336	117	161490	47.301	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	465477	49.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	61150	44.573	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	237358	50.308	ug/l	99
94) Hexachlorobutadiene	15.501	225	110196	47.654	ug/l	98
95) Naphthalene	15.642	128	790196	55.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	235412	51.501	ug/l	99

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

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