

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072944.D
 Acq On : 18 Jun 2022 16:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/20/2022

Quant Time: Jun 20 08:05:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	297300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	525601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	467157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	266158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	222304	55.307	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.620%			
35) Dibromofluoromethane	7.951	113	171936	52.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.840%			
50) Toluene-d8	10.375	98	643702	53.249	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.669	95	238260	54.812	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	146205	51.650	ug/l	100
3) Chloromethane	2.269	50	156745	51.496	ug/l	100
4) Vinyl Chloride	2.410	62	135026	53.191	ug/l	99
5) Bromomethane	2.793	94	59166	59.207	ug/l	99
6) Chloroethane	2.963	64	81500	51.317	ug/l	99
7) Trichlorofluoromethane	3.316	101	251634	60.870	ug/l	98
8) Diethyl Ether	3.769	74	109864	51.495	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.146	101	136459	47.754	ug/l	99
10) Methyl Iodide	4.351	142	181875	55.529	ug/l	98
11) Tert butyl alcohol	5.287	59	258972	249.427	ug/l	100
12) 1,1-Dichloroethene	4.116	96	141507	49.714	ug/l	98
13) Acrolein	3.981	56	100719	246.308	ug/l	98
14) Allyl chloride	4.769	41	301401	49.561	ug/l #	93
15) Acrylonitrile	5.475	53	619778	258.950	ug/l	100
16) Acetone	4.222	43	559953	253.436	ug/l	95
17) Carbon Disulfide	4.457	76	351805	48.239	ug/l	99
18) Methyl Acetate	4.781	43	296608	50.412	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	567041	53.044	ug/l	99
20) Methylene Chloride	5.016	84	174688	50.978	ug/l	90
21) trans-1,2-Dichloroethene	5.516	96	152539	49.266	ug/l	98
22) Diisopropyl ether	6.416	45	608885	53.707	ug/l	96
23) Vinyl Acetate	6.351	43	2850797	272.402	ug/l	94
24) 1,1-Dichloroethane	6.304	63	311525	52.412	ug/l	99
25) 2-Butanone	7.263	43	893861	254.948	ug/l #	89
26) 2,2-Dichloropropane	7.251	77	197953	40.006	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	188517	50.962	ug/l	99
28) Bromochloromethane	7.581	49	124862	50.795	ug/l	88
29) Tetrahydrofuran	7.610	42	606434	261.929	ug/l	88
30) Chloroform	7.745	83	315111	52.369	ug/l	99
31) Cyclohexane	8.022	56	253840	46.687	ug/l	95
32) 1,1,1-Trichloroethane	7.945	97	276192	52.307	ug/l	99
36) 1,1-Dichloropropene	8.151	75	214856	48.877	ug/l	100
37) Ethyl Acetate	7.339	43	372640	52.998	ug/l	95
38) Carbon Tetrachloride	8.134	117	227763	49.259	ug/l	99
39) Methylcyclohexane	9.392	83	248192	46.842	ug/l	95
40) Benzene	8.392	78	694440	50.267	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	173384	52.001	ug/l #	85
42) 1,2-Dichloroethane	8.463	62	257388	52.455	ug/l	98
43) Isopropyl Acetate	8.492	43	524540	52.189	ug/l	94
44) Trichloroethene	9.145	130	167898	47.957	ug/l	91
45) 1,2-Dichloropropane	9.422	63	182053	51.554	ug/l	98
46) Dibromomethane	9.510	93	124650	52.204	ug/l	95
47) Bromodichloromethane	9.698	83	254323	53.594	ug/l	99
48) Methyl methacrylate	9.492	41	237244	51.700	ug/l	92
49) 1,4-Dioxane	9.504	88	96354	933.199	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1732334	264.310	ug/l	91
52) Toluene	10.439	92	431896	50.921	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	271664	53.232	ug/l	99
54) cis-1,3-Dichloropropene	10.122	75	287311	51.541	ug/l #	89
55) 1,1,2-Trichloroethane	10.833	97	182893	49.110	ug/l	99
56) Ethyl methacrylate	10.698	69	319019	53.444	ug/l	88
57) 1,3-Dichloropropane	10.980	76	311303	50.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	728037	276.257	ug/l	97
59) 2-Hexanone	11.022	43	1339546	264.248	ug/l	90
60) Dibromochloromethane	11.175	129	193296	54.919	ug/l	99
61) 1,2-Dibromoethane	11.280	107	196298	53.467	ug/l	99
64) Tetrachloroethene	10.910	164	132510	46.627	ug/l	95
65) Chlorobenzene	11.704	112	459092	50.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.774	131	178956	51.536	ug/l	98
67) Ethyl Benzene	11.780	91	828790	51.605	ug/l	100
68) m/p-Xylenes	11.886	106	621129	98.606	ug/l	95
69) o-Xylene	12.216	106	322487	51.234	ug/l	99
70) Styrene	12.227	104	532345	52.665	ug/l	99
71) Bromoform	12.392	173	155960	59.567	ug/l #	95
73) Isopropylbenzene	12.516	105	815663	39.613	ug/l	99
74) N-amyl acetate	12.321	43	448375	41.962	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.763	83	291531	39.314	ug/l	99
76) 1,2,3-Trichloropropane	12.816	75	268888m	41.669	ug/l	
77) Bromobenzene	12.792	156	215990	43.786	ug/l	96
78) n-propylbenzene	12.857	91	921925	40.706	ug/l	99
79) 2-Chlorotoluene	12.939	91	575485	39.239	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	688194	40.689	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	93817	39.263	ug/l	97
82) 4-Chlorotoluene	13.039	91	563828	40.633	ug/l	98
83) tert-Butylbenzene	13.257	119	595986	38.475	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	694040	41.199	ug/l	97
85) sec-Butylbenzene	13.433	105	836318	40.473	ug/l	98
86) p-Isopropyltoluene	13.551	119	692636	41.402	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	345299	39.209	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	344912	38.695	ug/l	99
89) n-Butylbenzene	13.874	91	576654	42.213	ug/l	98
90) Hexachloroethane	14.145	117	130041	41.231	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	358802	39.067	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.533	75	78839	42.146	ug/l	93
93) 1,2,4-Trichlorobenzene	15.192	180	207107	40.747	ug/l	99
94) Hexachlorobutadiene	15.292	225	83019	37.534	ug/l	98
95) Naphthalene	15.427	128	853417	41.506	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	214779	39.572	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

