

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011722\
 Data File : VN070659.D
 Acq On : 17 Jan 2022 21:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 18 03:22:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	884489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1493661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1407089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	567546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	587869	46.226	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.460%		
35) Dibromofluoromethane	8.019	113	436275	48.274	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.540%		
50) Toluene-d8	10.440	98	1754707	47.529	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.060%		
62) 4-Bromofluorobenzene	12.728	95	668155	50.108	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	395038	39.383	ug/l	100
3) Chloromethane	2.303	50	582581	42.697	ug/l	99
4) Vinyl Chloride	2.448	62	578715	46.584	ug/l	100
5) Bromomethane	2.834	94	280592	43.761	ug/l	98
6) Chloroethane	3.009	64	365034	48.793	ug/l	99
7) Trichlorofluoromethane	3.371	101	708845	47.406	ug/l	98
8) Diethyl Ether	3.821	74	351220	53.283	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.205	101	443088	48.449	ug/l	94
10) Methyl Iodide	4.419	142	569245	45.993	ug/l	97
11) Tert butyl alcohol	5.382	59	622147	293.814	ug/l	97
12) 1,1-Dichloroethene	4.178	96	427900	47.502	ug/l	93
13) Acrolein	4.039	56	421866	245.542	ug/l	100
14) Allyl chloride	4.838	41	1059783	51.890	ug/l #	82
15) Acrylonitrile	5.554	53	1951674	295.363	ug/l	99
16) Acetone	4.288	43	1610088	195.033	ug/l	96
17) Carbon Disulfide	4.527	76	962759	39.154	ug/l	99
18) Methyl Acetate	4.854	43	1336014	55.946	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1834466	54.837	ug/l	94
20) Methylene Chloride	5.093	84	558180	48.869	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	453601	47.558	ug/l	85
22) Diisopropyl ether	6.498	45	2193127	55.132	ug/l #	89
23) Vinyl Acetate	6.434	43	8434063	273.265	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1050818	50.945	ug/l	98
25) 2-Butanone	7.335	43	2739210	263.521	ug/l	92
26) 2,2-Dichloropropane	7.324	77	750563	46.126	ug/l	99
27) cis-1,2-Dichloroethene	7.327	96	578161	50.802	ug/l	87
28) Bromochloromethane	7.656	49	536293	53.165	ug/l #	76
29) Tetrahydrofuran	7.686	42	1815732	292.774	ug/l	88
30) Chloroform	7.817	83	1002803	50.395	ug/l	98
31) Cyclohexane	8.094	56	950245	47.351	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	807113	48.105	ug/l	98
36) 1,1-Dichloropropene	8.222	75	710330	47.513	ug/l	96
37) Ethyl Acetate	7.412	43	1048494	54.106	ug/l	98
38) Carbon Tetrachloride	8.204	117	636713	44.601	ug/l	99
39) Methylcyclohexane	9.459	83	848533	46.881	ug/l	88
40) Benzene	8.458	78	2297993	50.137	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	582232	60.068	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	811502	47.104	ug/l	100
43) Isopropyl Acetate	8.560	43	1663712	54.454	ug/l	95
44) Trichloroethene	9.215	130	515377	47.323	ug/l	92
45) 1,2-Dichloropropane	9.488	63	655413	53.110	ug/l	99
46) Dibromomethane	9.577	93	377677	49.217	ug/l	94
47) Bromodichloromethane	9.762	83	760332	49.900	ug/l	99
48) Methyl methacrylate	9.558	41	766319	52.583	ug/l #	84
49) 1,4-Dioxane	9.569	88	242378	1136.173	ug/l #	80
51) 4-Methyl-2-Pentanone	10.330	43	5635797	293.559	ug/l	98
52) Toluene	10.505	92	1436514	51.779	ug/l	96
53) t-1,3-Dichloropropene	10.717	75	854514	51.804	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	943727	52.888	ug/l	99
55) 1,1,2-Trichloroethane	10.896	97	579735	52.814	ug/l	97
56) Ethyl methacrylate	10.760	69	1041069	57.399	ug/l	88
57) 1,3-Dichloropropane	11.044	76	1030613	53.083	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1318051	281.947	ug/l	90
59) 2-Hexanone	11.084	43	3938797	281.338	ug/l	97
60) Dibromochloromethane	11.237	129	546157	50.995	ug/l	100
61) 1,2-Dibromoethane	11.344	107	578151	51.873	ug/l	99
64) Tetrachloroethene	10.977	164	450397	44.203	ug/l	95
65) Chlorobenzene	11.771	112	1492835	50.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	522089	48.984	ug/l	99
67) Ethyl Benzene	11.843	91	2797517	51.141	ug/l	96
68) m/p-Xylenes	11.953	106	2035939	102.248	ug/l	92
69) o-Xylene	12.280	106	1031235	52.068	ug/l	92
70) Styrene	12.294	104	1690547	53.931	ug/l	96
71) Bromoform	12.457	173	410959	51.954	ug/l #	100
73) Isopropylbenzene	12.578	105	2695908	51.151	ug/l	98
74) N-amyl acetate	12.387	43	1207075	54.469	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.827	83	915580	53.342	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	823278m	49.053	ug/l	
77) Bromobenzene	12.860	156	602949	49.830	ug/l	75
78) n-propylbenzene	12.919	91	3052999	52.281	ug/l	96
79) 2-Chlorotoluene	13.007	91	1891133	50.472	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2212318	52.381	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	253702	54.615	ug/l	94
82) 4-Chlorotoluene	13.104	91	1784062	50.832	ug/l	91
83) tert-Butylbenzene	13.323	119	1920837	51.650	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	2191574	53.887	ug/l	97
85) sec-Butylbenzene	13.500	105	2657112	52.625	ug/l	96
86) p-Isopropyltoluene	13.616	119	2074527	52.305	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	990130	48.881	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	954587	47.774	ug/l	96
89) n-Butylbenzene	13.940	91	1703863	51.503	ug/l	97
90) Hexachloroethane	14.209	117	346756	50.325	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	973387	49.018	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	154944	50.749	ug/l	83
93) 1,2,4-Trichlorobenzene	15.263	180	475992	50.872	ug/l	98
94) Hexachlorobutadiene	15.370	225	277583	51.046	ug/l	99
95) Naphthalene	15.507	128	1460461	56.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	467746	52.226	ug/l	98

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

