

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071202.D
 Acq On : 09 Mar 2022 11:00
 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 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 10 00:55:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	615705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	981674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	903799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	378663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	424137	50.262	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.520%			
35) Dibromofluoromethane	8.016	113	319978	51.653	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.300%			
50) Toluene-d8	10.439	98	1274130	51.084	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.727	95	446188	52.829	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	324914	48.150	ug/l	98
3) Chloromethane	2.298	50	432308	47.719	ug/l	99
4) Vinyl Chloride	2.446	62	406677	49.177	ug/l	99
5) Bromomethane	2.840	94	217554	60.124	ug/l	95
6) Chloroethane	3.010	64	247908	49.502	ug/l	95
7) Trichlorofluoromethane	3.375	101	531166	48.800	ug/l	98
8) Diethyl Ether	3.828	74	229887	49.355	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.216	101	313660	49.779	ug/l	95
10) Methyl Iodide	4.422	142	439158	49.345	ug/l	99
11) Tert butyl alcohol	5.363	59	380362	229.451	ug/l	99
12) 1,1-Dichloroethene	4.181	96	301056	48.773	ug/l	90
13) Acrolein	4.040	56	365309	208.201	ug/l	99
14) Allyl chloride	4.840	41	658537	49.052	ug/l	87
15) Acrylonitrile	5.545	53	1163679	236.412	ug/l	99
16) Acetone	4.281	43	990533	241.247	ug/l	95
17) Carbon Disulfide	4.534	76	830025	47.233	ug/l	98
18) Methyl Acetate	4.851	43	530499	48.127	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1179148	50.879	ug/l	98
20) Methylene Chloride	5.092	84	369678	49.268	ug/l	91
21) trans-1,2-Dichloroethene	5.598	96	330870	49.005	ug/l	89
22) Diisopropyl ether	6.492	45	1331483	50.341	ug/l	93
23) Vinyl Acetate	6.428	43	5734010	256.080	ug/l	98
24) 1,1-Dichloroethane	6.386	63	688831	49.286	ug/l	100
25) 2-Butanone	7.328	43	1592860	240.828	ug/l	97
26) 2,2-Dichloropropane	7.322	77	557105	51.669	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	398832	49.771	ug/l	91
28) Bromochloromethane	7.651	49	317038	50.939	ug/l	82
29) Tetrahydrofuran	7.680	42	1065329	232.498	ug/l	92
30) Chloroform	7.816	83	652506	48.950	ug/l	99
31) Cyclohexane	8.092	56	642755	47.698	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	565085	49.767	ug/l	98
36) 1,1-Dichloropropene	8.216	75	505276	50.908	ug/l	96
37) Ethyl Acetate	7.404	43	623387	45.637	ug/l	99
38) Carbon Tetrachloride	8.204	117	484063	50.422	ug/l	98
39) Methylcyclohexane	9.457	83	625139	53.540	ug/l	96
40) Benzene	8.457	78	1513255	50.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	351500	52.582	ug/l #	83
42) 1,2-Dichloroethane	8.522	62	540210	51.912	ug/l	99
43) Isopropyl Acetate	8.557	43	1006830	49.290	ug/l	97
44) Trichloroethene	9.210	130	364348	51.638	ug/l	98
45) 1,2-Dichloropropane	9.486	63	405512	50.515	ug/l	98
46) Dibromomethane	9.569	93	249359	50.469	ug/l	97
47) Bromodichloromethane	9.757	83	514681	51.545	ug/l	99
48) Methyl methacrylate	9.557	41	492478	52.025	ug/l #	81
49) 1,4-Dioxane	9.563	88	160749	976.949	ug/l	87
51) 4-Methyl-2-Pentanone	10.327	43	3129873	246.895	ug/l	99
52) Toluene	10.504	92	943277	51.225	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	588296	53.448	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	641124	53.309	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	363037	49.200	ug/l	98
56) Ethyl methacrylate	10.757	69	629936	52.276	ug/l	92
57) 1,3-Dichloropropane	11.039	76	670830	50.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	528711	213.427	ug/l	95
59) 2-Hexanone	11.080	43	2209603	255.457	ug/l	100
60) Dibromochloromethane	11.233	129	392207	53.496	ug/l	98
61) 1,2-Dibromoethane	11.339	107	380155	50.409	ug/l	100
64) Tetrachloroethene	10.974	164	321552	51.012	ug/l	98
65) Chlorobenzene	11.768	112	982484	50.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	366865	51.548	ug/l	99
67) Ethyl Benzene	11.839	91	1815402	52.899	ug/l	97
68) m/p-Xylenes	11.951	106	1382229	110.097	ug/l	99
69) o-Xylene	12.274	106	682825	54.258	ug/l	98
70) Styrene	12.286	104	1081221	55.503	ug/l	97
71) Bromoform	12.457	173	291007	53.842	ug/l #	100
73) Isopropylbenzene	12.574	105	1763969	48.325	ug/l	99
74) N-amyl acetate	12.380	43	682329	49.715	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.821	83	566199	52.316	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	435300m	47.277	ug/l	
77) Bromobenzene	12.857	156	401492	47.169	ug/l	83
78) n-propylbenzene	12.915	91	1989135	50.782	ug/l	97
79) 2-Chlorotoluene	13.004	91	1202903	47.840	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1408670	49.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	169141	48.286	ug/l	93
82) 4-Chlorotoluene	13.098	91	1140764	50.935	ug/l	94
83) tert-Butylbenzene	13.315	119	1272542	50.211	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	1387961	51.025	ug/l	100
85) sec-Butylbenzene	13.498	105	1732030	51.416	ug/l	99
86) p-Isopropyltoluene	13.610	119	1420890	53.634	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	681485	49.275	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	660640	48.867	ug/l	98
89) n-Butylbenzene	13.939	91	1087789	52.498	ug/l	96
90) Hexachloroethane	14.204	117	257684	48.912	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	649956	48.882	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	99439	46.820	ug/l	86
93) 1,2,4-Trichlorobenzene	15.256	180	307158	49.526	ug/l	99
94) Hexachlorobutadiene	15.362	225	186910	50.073	ug/l	99
95) Naphthalene	15.498	128	776513	45.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	288936	48.679	ug/l	99

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

