

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071335.D
 Acq On : 16 Mar 2022 21:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 05:21:57 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	702262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1155930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1035875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	428883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	460578	47.853	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.700%		
35) Dibromofluoromethane	8.016	113	353574	48.472	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.940%		
50) Toluene-d8	10.439	98	1387101	47.230	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.460%		
62) 4-Bromofluorobenzene	12.727	95	474732	47.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	290435	37.735	ug/l	99
3) Chloromethane	2.298	50	411081	39.777	ug/l	99
4) Vinyl Chloride	2.440	62	390015	41.349	ug/l	99
5) Bromomethane	2.822	94	198275	46.678	ug/l	96
6) Chloroethane	2.993	64	250308	43.821	ug/l	99
7) Trichlorofluoromethane	3.363	101	508861	40.988	ug/l	97
8) Diethyl Ether	3.822	74	227134	42.754	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	295362	41.097	ug/l	94
10) Methyl Iodide	4.416	142	402772	39.679	ug/l	99
11) Tert butyl alcohol	5.369	59	464891	245.876	ug/l	99
12) 1,1-Dichloroethene	4.181	96	293932	41.749	ug/l	96
13) Acrolein	4.034	56	355875	177.825	ug/l	99
14) Allyl chloride	4.834	41	627975	41.010	ug/l	87
15) Acrylonitrile	5.545	53	1225409	218.269	ug/l	99
16) Acetone	4.281	43	1031517	220.264	ug/l	97
17) Carbon Disulfide	4.528	76	727448	36.293	ug/l	98
18) Methyl Acetate	4.845	43	581847	46.297	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1186259	44.877	ug/l	96
20) Methylene Chloride	5.092	84	362933	42.461	ug/l	92
21) trans-1,2-Dichloroethene	5.592	96	309124	40.141	ug/l	86
22) Diisopropyl ether	6.492	45	1288483	42.711	ug/l	92
23) Vinyl Acetate	6.428	43	5653284	221.356	ug/l	99
24) 1,1-Dichloroethane	6.381	63	672307	42.175	ug/l	100
25) 2-Butanone	7.328	43	1696351	224.863	ug/l	96
26) 2,2-Dichloropropane	7.322	77	486184	39.533	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	382552	41.856	ug/l	90
28) Bromochloromethane	7.657	49	283851	39.986	ug/l	85
29) Tetrahydrofuran	7.680	42	1139469	218.028	ug/l	93
30) Chloroform	7.816	83	654006	43.015	ug/l	99
31) Cyclohexane	8.092	56	593139	38.591	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	570179	44.026	ug/l	98
36) 1,1-Dichloropropene	8.222	75	480262	41.093	ug/l	96
37) Ethyl Acetate	7.410	43	667710	41.513	ug/l	98
38) Carbon Tetrachloride	8.204	117	472294	41.780	ug/l	98
39) Methylcyclohexane	9.457	83	567969	41.310	ug/l	95
40) Benzene	8.457	78	1469146	41.722	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	311638	39.591	ug/l	95
42) 1,2-Dichloroethane	8.527	62	539038	43.991	ug/l	99
43) Isopropyl Acetate	8.557	43	1056725	43.934	ug/l	97
44) Trichloroethene	9.216	130	350777	42.220	ug/l	95
45) 1,2-Dichloropropane	9.486	63	399263	42.239	ug/l	97
46) Dibromomethane	9.574	93	252926	43.474	ug/l	96
47) Bromodichloromethane	9.757	83	513959	43.713	ug/l	97
48) Methyl methacrylate	9.557	41	504346	45.247	ug/l #	83
49) 1,4-Dioxane	9.563	88	193702	999.755	ug/l	88
51) 4-Methyl-2-Pentanone	10.327	43	3402190	227.919	ug/l	98
52) Toluene	10.504	92	929503	42.868	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	567583	43.793	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	616463	43.531	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	372836	42.911	ug/l	99
56) Ethyl methacrylate	10.757	69	650476	45.843	ug/l	90
57) 1,3-Dichloropropane	11.039	76	668675	42.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	988201	322.410	ug/l	96
59) 2-Hexanone	11.080	43	2534742	248.871	ug/l	100
60) Dibromochloromethane	11.233	129	390716	45.258	ug/l	99
61) 1,2-Dibromoethane	11.345	107	382519	43.076	ug/l	99
64) Tetrachloroethene	10.974	164	295099	40.847	ug/l	98
65) Chlorobenzene	11.768	112	972242	43.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	364750	44.716	ug/l	100
67) Ethyl Benzene	11.839	91	1785669	45.398	ug/l	98
68) m/p-Xylenes	11.951	106	1330939	92.495	ug/l	98
69) o-Xylene	12.274	106	672775	46.643	ug/l	98
70) Styrene	12.292	104	1085147	48.602	ug/l	97
71) Bromoform	12.457	173	302719	48.868	ug/l #	99
73) Isopropylbenzene	12.574	105	1733970	41.940	ug/l	99
74) N-amyl acetate	12.386	43	739841	47.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	600350	48.804	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	555682m	53.665	ug/l	
77) Bromobenzene	12.857	156	406542	42.169	ug/l	81
78) n-propylbenzene	12.915	91	1905925	42.960	ug/l	98
79) 2-Chlorotoluene	13.004	91	1188775	41.742	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1379866	42.899	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	186927	47.115	ug/l	92
82) 4-Chlorotoluene	13.098	91	1114536	43.937	ug/l	94
83) tert-Butylbenzene	13.321	119	1250876	43.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	1360142	44.147	ug/l	99
85) sec-Butylbenzene	13.498	105	1696663	44.469	ug/l	99
86) p-Isopropyltoluene	13.610	119	1362715	45.415	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	676826	43.207	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	638519	41.700	ug/l	97
89) n-Butylbenzene	13.939	91	1039835	44.307	ug/l	96
90) Hexachloroethane	14.209	117	257536	43.160	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	655954	43.556	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	115011	47.811	ug/l	89
93) 1,2,4-Trichlorobenzene	15.262	180	307478	44.120	ug/l	97
94) Hexachlorobutadiene	15.362	225	171104	40.471	ug/l	99
95) Naphthalene	15.503	128	992182	50.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	311621	46.483	ug/l	99

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

