

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071388.D
 Acq On : 19 Mar 2022 10:34
 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 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 21 05:48:38 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	594854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	944045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	879354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	368610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	416196	51.050	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.100%			
35) Dibromofluoromethane	8.016	113	310808	52.173	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.340%			
50) Toluene-d8	10.439	98	1233230	51.415	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.727	95	443656	54.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	283501	43.485	ug/l	100
3) Chloromethane	2.298	50	389361	44.482	ug/l	99
4) Vinyl Chloride	2.440	62	365412	45.736	ug/l	99
5) Bromomethane	2.822	94	176143	49.286	ug/l	98
6) Chloroethane	2.998	64	261432	54.032	ug/l	100
7) Trichlorofluoromethane	3.363	101	495783	47.146	ug/l	100
8) Diethyl Ether	3.822	74	214045	47.565	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.204	101	296198	48.655	ug/l	95
10) Methyl Iodide	4.416	142	356573	41.470	ug/l	99
11) Tert butyl alcohol	5.363	59	379222	236.782	ug/l	98
12) 1,1-Dichloroethene	4.175	96	275514	46.199	ug/l	93
13) Acrolein	4.034	56	390034	230.085	ug/l	100
14) Allyl chloride	4.834	41	618779	47.706	ug/l	87
15) Acrylonitrile	5.545	53	1172691	246.594	ug/l	98
16) Acetone	4.281	43	1225629	308.968	ug/l	97
17) Carbon Disulfide	4.528	76	702260	41.363	ug/l	98
18) Methyl Acetate	4.845	43	550368	51.645	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1131792	50.548	ug/l	95
20) Methylene Chloride	5.092	84	351526	48.497	ug/l	89
21) trans-1,2-Dichloroethene	5.592	96	303340	46.503	ug/l	89
22) Diisopropyl ether	6.492	45	1283951	50.245	ug/l	89
23) Vinyl Acetate	6.428	43	5593436	258.559	ug/l	97
24) 1,1-Dichloroethane	6.386	63	656902	48.649	ug/l	100
25) 2-Butanone	7.328	43	1721562	269.410	ug/l	94
26) 2,2-Dichloropropane	7.322	77	540846	51.919	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	373927	48.299	ug/l	89
28) Bromochloromethane	7.651	49	297031	49.398	ug/l	83
29) Tetrahydrofuran	7.680	42	1089298	246.062	ug/l	92
30) Chloroform	7.810	83	632259	49.094	ug/l	100
31) Cyclohexane	8.092	56	588578	45.209	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	542905	49.489	ug/l	97
36) 1,1-Dichloropropene	8.216	75	472816	49.536	ug/l	96
37) Ethyl Acetate	7.404	43	637545	48.534	ug/l	99
38) Carbon Tetrachloride	8.204	117	466507	50.530	ug/l	99
39) Methylcyclohexane	9.457	83	574789	51.190	ug/l	96
40) Benzene	8.457	78	1420765	49.404	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	359748	55.961	ug/l #	83
42) 1,2-Dichloroethane	8.527	62	529538	52.915	ug/l	100
43) Isopropyl Acetate	8.557	43	1000053	50.910	ug/l	96
44) Trichloroethene	9.210	130	337051	49.673	ug/l	96
45) 1,2-Dichloropropane	9.486	63	392078	50.789	ug/l	99
46) Dibromomethane	9.574	93	243309	51.207	ug/l	96
47) Bromodichloromethane	9.757	83	503706	52.457	ug/l	98
48) Methyl methacrylate	9.557	41	485203	53.300	ug/l #	82
49) 1,4-Dioxane	9.563	88	167628	1059.363	ug/l	91
51) 4-Methyl-2-Pentanone	10.327	43	3279653	269.022	ug/l	99
52) Toluene	10.504	92	898354	50.730	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	561893	53.084	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	605851	52.384	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	359620	50.679	ug/l	98
56) Ethyl methacrylate	10.757	69	626667	54.078	ug/l	91
57) 1,3-Dichloropropane	11.039	76	648114	50.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	786345	314.849	ug/l	94
59) 2-Hexanone	11.080	43	2451249	294.690	ug/l	100
60) Dibromochloromethane	11.233	129	379630	53.844	ug/l	99
61) 1,2-Dibromoethane	11.345	107	366531	50.540	ug/l	99
64) Tetrachloroethene	10.974	164	289404	47.188	ug/l	95
65) Chlorobenzene	11.768	112	950081	50.309	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	355085	51.279	ug/l	99
67) Ethyl Benzene	11.839	91	1753849	52.526	ug/l	97
68) m/p-Xylenes	11.951	106	1310852	107.314	ug/l	96
69) o-Xylene	12.274	106	658042	53.742	ug/l	98
70) Styrene	12.292	104	1069415	56.423	ug/l	97
71) Bromoform	12.457	173	294690	56.039	ug/l #	99
73) Isopropylbenzene	12.574	105	1714253	48.243	ug/l	99
74) N-amyl acetate	12.386	43	737318	55.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	580134	55.208	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	455079m	50.994	ug/l	
77) Bromobenzene	12.857	156	396969	47.909	ug/l	80
78) n-propylbenzene	12.915	91	1939583	50.868	ug/l	97
79) 2-Chlorotoluene	13.004	91	1169683	47.788	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1379747	49.909	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	183663	53.862	ug/l	91
82) 4-Chlorotoluene	13.098	91	1133613	51.996	ug/l	94
83) tert-Butylbenzene	13.321	119	1235090	50.062	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	1349240	50.954	ug/l	99
85) sec-Butylbenzene	13.498	105	1695614	51.708	ug/l	99
86) p-Isopropyltoluene	13.609	119	1389206	53.868	ug/l	98
87) 1,3-Dichlorobenzene	13.609	146	661722	49.151	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	638954	48.552	ug/l	98
89) n-Butylbenzene	13.939	91	1088669	53.973	ug/l	96
90) Hexachloroethane	14.204	117	259812	50.661	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	635603	49.106	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	107891	52.185	ug/l	84
93) 1,2,4-Trichlorobenzene	15.262	180	312491	51.626	ug/l	98
94) Hexachlorobutadiene	15.362	225	180327	49.627	ug/l	99
95) Naphthalene	15.503	128	914818	53.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	313682	53.974	ug/l	99

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

