

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081322\
 Data File : VN073884.D
 Acq On : 13 Aug 2022 21:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Quant Time: Aug 14 02:40:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	285454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	543863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	495479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	227020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	260342	74.838	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 149.680%#			
35) Dibromofluoromethane	7.951	113	225555	66.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 132.100%#			
50) Toluene-d8	10.381	98	649876	48.358	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.669	95	232855	49.393	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	72086	26.036	ug/l	97
3) Chloromethane	2.269	50	194215	58.805	ug/l	96
4) Vinyl Chloride	2.405	62	193141	39.886	ug/l	97
5) Bromomethane	2.775	94	89773	31.966	ug/l	97
6) Chloroethane	2.940	64	166591	59.384	ug/l	99
7) Trichlorofluoromethane	3.299	101	170635	34.192	ug/l	100
8) Diethyl Ether	3.763	74	157618	84.114	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.134	101	82184	29.765	ug/l	93
10) Methyl Iodide	4.346	142	272930	97.234	ug/l	97
11) Tert butyl alcohol	5.293	59	378583	504.618	ug/l	100
12) 1,1-Dichloroethene	4.104	96	126397	46.670	ug/l	89
13) Acrolein	3.981	56	231832	311.695	ug/l	100
14) Allyl chloride	4.757	41	274233	63.333	ug/l	99
15) Acrylonitrile	5.469	53	844994	407.169	ug/l	100
16) Acetone	4.216	43	736367	394.106	ug/l	97
17) Carbon Disulfide	4.452	76	326773	45.504	ug/l	100
18) Methyl Acetate	4.769	43	399716	85.989	ug/l	96
19) Methyl tert-butyl Ether	5.528	73	857177	92.645	ug/l	96
20) Methylene Chloride	5.010	84	255860	86.245	ug/l	93
21) trans-1,2-Dichloroethene	5.510	96	181217	61.812	ug/l	93
22) Diisopropyl ether	6.410	45	701645	75.109	ug/l	98
23) Vinyl Acetate	6.351	43	3306720	422.198	ug/l	97
24) 1,1-Dichloroethane	6.304	63	374922	65.237	ug/l	98
25) 2-Butanone	7.257	43	1174262	404.687	ug/l	96
26) 2,2-Dichloropropane	7.245	77	193198	43.694	ug/l	96
27) cis-1,2-Dichloroethene	7.245	96	265635	73.540	ug/l	89
28) Bromochloromethane	7.587	49	159930	66.277	ug/l	82
29) Tetrahydrofuran	7.610	42	749993	408.811	ug/l	94
30) Chloroform	7.745	83	437752	73.108	ug/l	100
31) Cyclohexane	8.022	56	129693	25.042	ug/l	93
32) 1,1,1-Trichloroethane	7.940	97	283528	57.028	ug/l	97
36) 1,1-Dichloropropene	8.151	75	187371	38.495	ug/l	98
37) Ethyl Acetate	7.340	43	438949	68.477	ug/l	99
38) Carbon Tetrachloride	8.134	117	204491	41.365	ug/l	96
39) Methylcyclohexane	9.392	83	142795	24.550	ug/l	97
40) Benzene	8.392	78	869611	55.019	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	192399	66.330	ug/l	95
42) 1,2-Dichloroethane	8.463	62	371901	69.816	ug/l	98
43) Isopropyl Acetate	8.492	43	750023	86.627	ug/l	95
44) Trichloroethene	9.151	130	210331	52.476	ug/l	96
45) 1,2-Dichloropropane	9.428	63	235230	59.541	ug/l	98
46) Dibromomethane	9.510	93	197097	71.882	ug/l	91
47) Bromodichloromethane	9.698	83	357081	67.852	ug/l	98
48) Methyl methacrylate	9.498	41	304595	80.371	ug/l	95
49) 1,4-Dioxane	9.504	88	170006	1591.338	ug/l	92
51) 4-Methyl-2-Pentanone	10.269	43	2239349	360.608	ug/l	99
52) Toluene	10.445	92	538486	55.777	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	375346	72.196	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	385403	65.784	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	288804	71.736	ug/l	98
56) Ethyl methacrylate	10.704	69	464566	83.725	ug/l	97
57) 1,3-Dichloropropane	10.986	76	468488	68.588	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	1048075	352.688	ug/l	95
59) 2-Hexanone	11.028	43	1766119	375.380	ug/l	99
60) Dibromochloromethane	11.180	129	325177	81.190	ug/l	99
61) 1,2-Dibromoethane	11.286	107	313020	75.493	ug/l	99
64) Tetrachloroethene	10.916	164	155680	39.536	ug/l	93
65) Chlorobenzene	11.710	112	604363	57.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	266356	70.561	ug/l	98
67) Ethyl Benzene	11.786	91	859054	48.383	ug/l	99
68) m/p-Xylenes	11.892	106	698156	103.097	ug/l	96
69) o-Xylene	12.222	106	387693	58.723	ug/l	96
70) Styrene	12.233	104	664099	62.838	ug/l	98
71) Bromoform	12.398	173	277459	89.049	ug/l #	100
73) Isopropylbenzene	12.522	105	770114	46.341	ug/l	99
74) N-amyl acetate	12.327	43	530377	84.469	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	465743	72.627	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	398935m	99.090	ug/l	
77) Bromobenzene	12.798	156	291077	67.259	ug/l	95
78) n-propylbenzene	12.863	91	772691	41.323	ug/l	97
79) 2-Chlorotoluene	12.945	91	593329	50.840	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	678493	49.612	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	132534	75.656	ug/l	97
82) 4-Chlorotoluene	13.045	91	562426	50.848	ug/l	94
83) tert-Butylbenzene	13.263	119	555017	45.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	707775	52.632	ug/l	99
85) sec-Butylbenzene	13.439	105	657861	39.293	ug/l	98
86) p-Isopropyltoluene	13.557	119	585692	44.376	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	435988	55.192	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	431634	54.611	ug/l	98
89) n-Butylbenzene	13.880	91	409035	38.089	ug/l	98
90) Hexachloroethane	14.151	117	111004	42.390	ug/l	87
91) 1,2-Dichlorobenzene	13.927	146	496294	61.999	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.539	75	113180	87.841	ug/l	81
93) 1,2,4-Trichlorobenzene	15.192	180	264119	66.442	ug/l	99
94) Hexachlorobutadiene	15.304	225	88765	41.074	ug/l	98
95) Naphthalene	15.433	128	1242792	96.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	301576	72.082	ug/l	99

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

