

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073890.D
 Acq On : 15 Aug 2022 11:39
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Aug 15 13:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 13:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	607740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	891907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	815541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	425701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	310837	41.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.940%		
35) Dibromofluoromethane	7.951	113	277953	49.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.260%		
50) Toluene-d8	10.380	98	1089763	49.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.900%		
62) 4-Bromofluorobenzene	12.668	95	372704	54.689	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	244870	41.541	ug/l	98
3) Chloromethane	2.269	50	260857	30.705	ug/l	97
4) Vinyl Chloride	2.404	62	344549	33.421	ug/l	97
5) Bromomethane	2.787	94	210048	35.131	ug/l	100
6) Chloroethane	2.957	64	228992	31.848	ug/l	98
7) Trichlorofluoromethane	3.310	101	432105	40.669	ug/l	96
8) Diethyl Ether	3.763	74	161625	40.512	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.134	101	246897	42.001	ug/l	92
10) Methyl Iodide	4.345	142	346250	57.940	ug/l	98
11) Tert butyl alcohol	5.292	59	339143	212.326	ug/l	99
12) 1,1-Dichloroethene	4.116	96	235304	40.809	ug/l	92
13) Acrolein	3.981	56	235775	148.892	ug/l	99
14) Allyl chloride	4.763	41	345421	37.470	ug/l	95
15) Acrylonitrile	5.469	53	814162	184.268	ug/l	100
16) Acetone	4.222	43	667157	167.712	ug/l	98
17) Carbon Disulfide	4.457	76	564838	36.944	ug/l	99
18) Methyl Acetate	4.775	43	370974	37.485	ug/l	97
19) Methyl tert-butyl Ether	5.534	73	860930	43.706	ug/l	94
20) Methylene Chloride	5.010	84	273537	32.584	ug/l	97
21) trans-1,2-Dichloroethene	5.510	96	255437	40.924	ug/l	92
22) Diisopropyl ether	6.410	45	757272	38.075	ug/l	95
23) Vinyl Acetate	6.351	43	3322931	199.277	ug/l	97
24) 1,1-Dichloroethane	6.304	63	457189	37.365	ug/l	96
25) 2-Butanone	7.257	43	1108221	179.390	ug/l	95
26) 2,2-Dichloropropane	7.251	77	410814	43.640	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	311385	40.490	ug/l	94
28) Bromochloromethane	7.580	49	169115	32.918	ug/l	85
29) Tetrahydrofuran	7.610	42	717677	183.744	ug/l	94
30) Chloroform	7.745	83	511042	40.088	ug/l	98
31) Cyclohexane	8.022	56	394010	35.733	ug/l	94
32) 1,1,1-Trichloroethane	7.939	97	460547	43.509	ug/l	97
36) 1,1-Dichloropropene	8.151	75	354262	44.381	ug/l	97
37) Ethyl Acetate	7.333	43	426887	40.608	ug/l	98
38) Carbon Tetrachloride	8.133	117	408054	50.333	ug/l	99
39) Methylcyclohexane	9.398	83	456801	47.890	ug/l	94
40) Benzene	8.392	78	1114823	43.009	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	213729	44.931	ug/l #	92
42) 1,2-Dichloroethane	8.463	62	386353	44.226	ug/l	99
43) Isopropyl Acetate	8.492	43	629080	44.305	ug/l	96
44) Trichloroethene	9.151	130	320746	48.796	ug/l	97
45) 1,2-Dichloropropane	9.427	63	271190	41.857	ug/l	100
46) Dibromomethane	9.516	93	205910	45.792	ug/l	92
47) Bromodichloromethane	9.698	83	396280	45.917	ug/l	95
48) Methyl methacrylate	9.498	41	278981	44.887	ug/l	90
49) 1,4-Dioxane	9.504	88	162063	925.022	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	2167832	212.868	ug/l	99
52) Toluene	10.445	92	742669	46.908	ug/l	100
53) t-1,3-Dichloropropene	10.663	75	439050	51.495	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	467656	48.675	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	305205	46.227	ug/l	98
56) Ethyl methacrylate	10.704	69	472902	51.970	ug/l	97
57) 1,3-Dichloropropane	10.986	76	493846	44.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	1104208	269.815	ug/l	95
59) 2-Hexanone	11.027	43	1732772	224.575	ug/l	100
60) Dibromochloromethane	11.180	129	348381	53.041	ug/l	99
61) 1,2-Dibromoethane	11.286	107	334167	49.144	ug/l	100
64) Tetrachloroethene	10.916	164	297288	45.868	ug/l	96
65) Chlorobenzene	11.710	112	831374	47.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	322236	51.862	ug/l	98
67) Ethyl Benzene	11.786	91	1420879	48.620	ug/l	97
68) m/p-Xylenes	11.892	106	1145812	102.799	ug/l	97
69) o-Xylene	12.221	106	576704	53.071	ug/l	96
70) Styrene	12.233	104	938012	53.924	ug/l	98
71) Bromoform	12.398	173	297459	58.001	ug/l #	100
73) Isopropylbenzene	12.521	105	1484528	47.638	ug/l	98
74) N-amyl acetate	12.327	43	548097	46.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	477317	39.693	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	481835m	49.851	ug/l	
77) Bromobenzene	12.798	156	398199	49.068	ug/l	88
78) n-propylbenzene	12.863	91	1640164	46.777	ug/l	97
79) 2-Chlorotoluene	12.945	91	984302	44.978	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	1231063	48.004	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.568	75	162473	49.461	ug/l	95
82) 4-Chlorotoluene	13.045	91	954374	46.013	ug/l	95
83) tert-Butylbenzene	13.262	119	1128913	49.699	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	1246271	49.423	ug/l	99
85) sec-Butylbenzene	13.439	105	1533952	48.860	ug/l	98
86) p-Isopropyltoluene	13.557	119	1332630	53.846	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	702643	47.435	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	694052	46.829	ug/l	98
89) n-Butylbenzene	13.880	91	1022937	50.798	ug/l	98
90) Hexachloroethane	14.151	117	227021	46.233	ug/l	87
91) 1,2-Dichlorobenzene	13.927	146	705046	46.970	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	116513	48.224	ug/l	84
93) 1,2,4-Trichlorobenzene	15.198	180	455084	61.051	ug/l	98
94) Hexachlorobutadiene	15.304	225	227788	56.211	ug/l	99
95) Naphthalene	15.433	128	1511976	62.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	463853	59.125	ug/l	99

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

