

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072744.D
 Acq On : 09 Jun 2022 20:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 01:47:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	142859	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.969	114	270737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	272950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	128515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	236813	61.763	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 123.520%			
35) Dibromofluoromethane	8.016	113	156729	58.505	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 117.020%			
50) Toluene-d8	10.439	98	606894	56.781	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.560%			
62) 4-Bromofluorobenzene	12.727	95	213106	58.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	125061	53.966	ug/l	100
3) Chloromethane	2.293	50	133720	53.143	ug/l	99
4) Vinyl Chloride	2.434	62	142194	56.033	ug/l	98
5) Bromomethane	2.816	94	68690	59.398	ug/l	97
6) Chloroethane	2.993	64	100832	62.779	ug/l	100
7) Trichlorofluoromethane	3.357	101	224600	55.607	ug/l	99
8) Diethyl Ether	3.822	74	92364	56.244	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.210	101	123203	55.704	ug/l	89
10) Methyl Iodide	4.416	142	122576	59.437	ug/l	# 85
11) Tert butyl alcohol	5.363	59	247125	270.185	ug/l	99
12) 1,1-Dichloroethene	4.175	96	113283	54.956	ug/l	87
13) Acrolein	4.040	56	99095	262.326	ug/l	95
14) Allyl chloride	4.834	41	257773	54.165	ug/l	90
15) Acrylonitrile	5.545	53	568514	293.362	ug/l	99
16) Acetone	4.281	43	530339	288.657	ug/l	91
17) Carbon Disulfide	4.528	76	252421	53.038	ug/l	98
18) Methyl Acetate	4.845	43	276771	57.898	ug/l	92
19) Methyl tert-butyl Ether	5.610	73	546657	58.630	ug/l	98
20) Methylene Chloride	5.092	84	150291	57.339	ug/l	# 81
21) trans-1,2-Dichloroethene	5.592	96	124861	55.009	ug/l	87
22) Diisopropyl ether	6.492	45	571792	59.280	ug/l	95
23) Vinyl Acetate	6.428	43	2646964	299.737	ug/l	94
24) 1,1-Dichloroethane	6.381	63	291530	58.204	ug/l	99
25) 2-Butanone	7.328	43	853887	288.917	ug/l	91
26) 2,2-Dichloropropane	7.322	77	208231	45.979	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	163785	56.731	ug/l	89
28) Bromochloromethane	7.651	49	143611	60.707	ug/l	# 75
29) Tetrahydrofuran	7.681	42	536707	293.884	ug/l	89
30) Chloroform	7.816	83	303316	58.092	ug/l	96
31) Cyclohexane	8.092	56	236306	58.330	ug/l	88
32) 1,1,1-Trichloroethane	8.010	97	267175	57.905	ug/l	95
36) 1,1-Dichloropropene	8.216	75	204089	54.885	ug/l	94
37) Ethyl Acetate	7.410	43	328956	56.941	ug/l	94
38) Carbon Tetrachloride	8.204	117	223716	56.299	ug/l	98
39) Methylcyclohexane	9.457	83	229729	53.239	ug/l	96
40) Benzene	8.457	78	622237	55.143	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	128477m	65.974	ug/l	
42) 1,2-Dichloroethane	8.527	62	266611	56.986	ug/l	95
43) Isopropyl Acetate	8.557	43	508812	56.553	ug/l #	92
44) Trichloroethene	9.216	130	143351	54.567	ug/l	83
45) 1,2-Dichloropropane	9.486	63	174939	57.372	ug/l	98
46) Dibromomethane	9.575	93	119216	55.928	ug/l #	81
47) Bromodichloromethane	9.757	83	251562	57.410	ug/l #	99
48) Methyl methacrylate	9.557	41	240952	56.604	ug/l #	82
49) 1,4-Dioxane	9.569	88	84112	1080.981	ug/l #	88
51) 4-Methyl-2-Pentanone	10.327	43	1690866	288.578	ug/l	91
52) Toluene	10.504	92	387245	54.965	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	262816	53.992	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	272762	54.232	ug/l #	80
55) 1,1,2-Trichloroethane	10.898	97	166715	54.834	ug/l	99
56) Ethyl methacrylate	10.757	69	297858	55.392	ug/l #	79
57) 1,3-Dichloropropane	11.039	76	299975	55.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	650762	303.661	ug/l	92
59) 2-Hexanone	11.080	43	1283974	298.007	ug/l	89
60) Dibromochloromethane	11.233	129	180582	57.225	ug/l	99
61) 1,2-Dibromoethane	11.345	107	170617	54.756	ug/l	98
64) Tetrachloroethene	10.974	164	123501	53.744	ug/l	89
65) Chlorobenzene	11.768	112	394832	54.285	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	162622	56.206	ug/l	97
67) Ethyl Benzene	11.845	91	758879	55.490	ug/l	98
68) m/p-Xylenes	11.951	106	536777	110.445	ug/l	88
69) o-Xylene	12.280	106	274226	56.130	ug/l	89
70) Styrene	12.292	104	442775	57.664	ug/l	94
71) Bromoform	12.457	173	115573	56.791	ug/l #	99
73) Isopropylbenzene	12.574	105	729437	52.915	ug/l	98
74) N-amyl acetate	12.386	43	390088	60.884	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.827	83	259660	54.262	ug/l	99
76) 1,2,3-Trichloropropane	12.880	75	228202m	55.027	ug/l	
77) Bromobenzene	12.857	156	143427	52.779	ug/l	66
78) n-propylbenzene	12.915	91	828202	55.026	ug/l	95
79) 2-Chlorotoluene	13.004	91	511970	54.222	ug/l	92
80) 1,3,5-Trimethylbenzene	13.057	105	592441	54.239	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	83985	52.963	ug/l	89
82) 4-Chlorotoluene	13.104	91	471177	54.030	ug/l	94
83) tert-Butylbenzene	13.321	119	521085	54.317	ug/l	89
84) 1,2,4-Trimethylbenzene	13.362	105	579305	55.430	ug/l	94
85) sec-Butylbenzene	13.498	105	723330	55.878	ug/l	96
86) p-Isopropyltoluene	13.610	119	572428	56.215	ug/l	95
87) 1,3-Dichlorobenzene	13.615	146	247360	53.592	ug/l	95
88) 1,4-Dichlorobenzene	13.692	146	241097	53.318	ug/l	95
89) n-Butylbenzene	13.939	91	469283	54.701	ug/l	97
90) Hexachloroethane	14.209	117	118154	53.610	ug/l	73
91) 1,2-Dichlorobenzene	13.986	146	244851	54.122	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	60935	52.716	ug/l	71
93) 1,2,4-Trichlorobenzene	15.262	180	119033	54.694	ug/l	97
94) Hexachlorobutadiene	15.368	225	51392	52.714	ug/l	98
95) Naphthalene	15.504	128	491832	58.247	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	123245	56.869	ug/l	97

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

