

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072887.D
 Acq On : 16 Jun 2022 18:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 17 06:05:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 06:04:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	239801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	381289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	399789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	204818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	238611	53.858	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.720%			
35) Dibromofluoromethane	7.951	113	190814	55.093	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.180%			
50) Toluene-d8	10.375	98	739289	54.532	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.060%			
62) 4-Bromofluorobenzene	12.663	95	272736	57.994	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	187654	56.149	ug/l	98
3) Chloromethane	2.269	50	201728	52.624	ug/l	99
4) Vinyl Chloride	2.404	62	158465	53.881	ug/l	100
5) Bromomethane	2.787	94	67729	58.931	ug/l	97
6) Chloroethane	2.957	64	92992	53.747	ug/l	97
7) Trichlorofluoromethane	3.310	101	295736	52.983	ug/l	98
8) Diethyl Ether	3.763	74	131513	55.924	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.134	101	174901	55.231	ug/l	98
10) Methyl Iodide	4.346	142	216679	54.293	ug/l	100
11) Tert butyl alcohol	5.293	59	290887	252.169	ug/l	98
12) 1,1-Dichloroethene	4.110	96	175726	52.546	ug/l	96
13) Acrolein	3.975	56	79545	232.627	ug/l	98
14) Allyl chloride	4.757	41	351306	51.824	ug/l	95
15) Acrylonitrile	5.469	53	678024	270.856	ug/l	99
16) Acetone	4.222	43	573323	256.380	ug/l	94
17) Carbon Disulfide	4.451	76	457605	50.560	ug/l	99
18) Methyl Acetate	4.775	43	312499	49.021	ug/l	93
19) Methyl tert-butyl Ether	5.534	73	664988	54.351	ug/l	99
20) Methylene Chloride	5.004	84	217320	54.333	ug/l	97
21) trans-1,2-Dichloroethene	5.510	96	186351	52.669	ug/l	99
22) Diisopropyl ether	6.410	45	685113	54.670	ug/l	97
23) Vinyl Acetate	6.345	43	3159952	277.425	ug/l	96
24) 1,1-Dichloroethane	6.304	63	357676	54.513	ug/l	99
25) 2-Butanone	7.257	43	945367	265.430	ug/l	94
26) 2,2-Dichloropropane	7.245	77	311406	52.540	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	225598	52.601	ug/l	99
28) Bromochloromethane	7.581	49	154018	54.783	ug/l	92
29) Tetrahydrofuran	7.610	42	621268	263.114	ug/l	91
30) Chloroform	7.745	83	363055	53.621	ug/l	98
31) Cyclohexane	8.016	56	308033	51.859	ug/l	92
32) 1,1,1-Trichloroethane	7.939	97	320124	53.392	ug/l	99
36) 1,1-Dichloropropene	8.145	75	257796	54.501	ug/l	99
37) Ethyl Acetate	7.334	43	380143	55.531	ug/l	96
38) Carbon Tetrachloride	8.128	117	268233	52.670	ug/l	99
39) Methylcyclohexane	9.392	83	330691	56.328	ug/l	97
40) Benzene	8.386	78	816881	54.202	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	199633	56.017	ug/l #	84
42) 1,2-Dichloroethane	8.457	62	292952	53.908	ug/l	99
43) Isopropyl Acetate	8.492	43	582689	54.690	ug/l	95
44) Trichloroethene	9.145	130	211540	52.500	ug/l	95
45) 1,2-Dichloropropane	9.422	63	207291	54.509	ug/l	99
46) Dibromomethane	9.510	93	143835	54.503	ug/l	97
47) Bromodichloromethane	9.692	83	293062	54.823	ug/l	98
48) Methyl methacrylate	9.492	41	264613	54.374	ug/l	95
49) 1,4-Dioxane	9.498	88	110243	1069.452	ug/l #	95
51) 4-Methyl-2-Pentanone	10.263	43	1846295	267.882	ug/l	93
52) Toluene	10.439	92	522852	53.609	ug/l	100
53) t-1,3-Dichloropropene	10.651	75	332479	54.589	ug/l	97
54) cis-1,3-Dichloropropene	10.122	75	349449	55.263	ug/l	92
55) 1,1,2-Trichloroethane	10.833	97	217523	55.244	ug/l	98
56) Ethyl methacrylate	10.698	69	368125	55.053	ug/l	90
57) 1,3-Dichloropropane	10.980	76	364041	54.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	692737	293.080	ug/l	99
59) 2-Hexanone	11.022	43	1419332	277.331	ug/l	92
60) Dibromochloromethane	11.169	129	231216	54.731	ug/l	99
61) 1,2-Dibromoethane	11.280	107	231154	53.941	ug/l	99
64) Tetrachloroethene	10.910	164	198251	51.649	ug/l	97
65) Chlorobenzene	11.704	112	562923	53.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.774	131	211066	51.825	ug/l	99
67) Ethyl Benzene	11.780	91	1003899	53.924	ug/l	99
68) m/p-Xylenes	11.886	106	773948	108.272	ug/l	98
69) o-Xylene	12.216	106	386027	52.636	ug/l	99
70) Styrene	12.227	104	622396	54.827	ug/l	99
71) Bromoform	12.392	173	178010	54.094	ug/l #	99
73) Isopropylbenzene	12.516	105	998552	51.122	ug/l	100
74) N-amyl acetate	12.321	43	460056	54.778	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.763	83	328041	51.364	ug/l	100
76) 1,2,3-Trichloropropane	12.816	75	247960m	40.729	ug/l	
77) Bromobenzene	12.792	156	233727	51.202	ug/l	93
78) n-propylbenzene	12.851	91	1111241	54.551	ug/l	99
79) 2-Chlorotoluene	12.939	91	692216	52.301	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	806316	51.512	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.563	75	115638	54.100	ug/l	100
82) 4-Chlorotoluene	13.039	91	652488	53.322	ug/l	98
83) tert-Butylbenzene	13.257	119	708924	50.599	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	797834	53.017	ug/l	99
85) sec-Butylbenzene	13.433	105	991237	54.572	ug/l	100
86) p-Isopropyltoluene	13.551	119	798698	54.481	ug/l	98
87) 1,3-Dichlorobenzene	13.545	146	388165	52.182	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	383349	51.105	ug/l	97
89) n-Butylbenzene	13.874	91	650634	57.741	ug/l	99
90) Hexachloroethane	14.145	117	158680	50.064	ug/l	91
91) 1,2-Dichlorobenzene	13.921	146	392776	52.228	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.533	75	71376	53.216	ug/l	94
93) 1,2,4-Trichlorobenzene	15.192	180	202641	53.920	ug/l	98
94) Hexachlorobutadiene	15.292	225	96939	52.110	ug/l	97
95) Naphthalene	15.427	128	701971	54.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	205571	55.082	ug/l	99

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

