

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071386.D
 Acq On : 18 Mar 2022 20:44
 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 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 07:12:43 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	8.081	168	584599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	954681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	897907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	359207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	388264	48.459	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.920%		
35) Dibromofluoromethane	8.016	113	298636	49.571	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.140%		
50) Toluene-d8	10.439	98	1186005	48.895	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.727	95	422443	51.432	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	256718	40.068	ug/l	99
3) Chloromethane	2.299	50	354001	41.149	ug/l	98
4) Vinyl Chloride	2.440	62	341264	43.463	ug/l	98
5) Bromomethane	2.822	94	139815	38.503	ug/l	95
6) Chloroethane	2.993	64	212416	44.672	ug/l	96
7) Trichlorofluoromethane	3.363	101	455907	44.114	ug/l	97
8) Diethyl Ether	3.822	74	204242	46.183	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	263917	44.113	ug/l	96
10) Methyl Iodide	4.416	142	295770	35.002	ug/l	99
11) Tert butyl alcohol	5.369	59	403531	256.380	ug/l	100
12) 1,1-Dichloroethene	4.175	96	260117	44.383	ug/l	95
13) Acrolein	4.034	56	343808	206.373	ug/l	99
14) Allyl chloride	4.834	41	568384	44.589	ug/l #	86
15) Acrylonitrile	5.551	53	1136989	243.281	ug/l	99
16) Acetone	4.287	43	952435	244.311	ug/l	100
17) Carbon Disulfide	4.528	76	651080	39.021	ug/l	97
18) Methyl Acetate	4.852	43	530416	50.655	ug/l	95
19) Methyl tert-butyl Ether	5.616	73	1064959	48.397	ug/l	98
20) Methylene Chloride	5.093	84	331068	46.492	ug/l	92
21) trans-1,2-Dichloroethene	5.593	96	277518	43.290	ug/l	91
22) Diisopropyl ether	6.493	45	1201271	47.835	ug/l	91
23) Vinyl Acetate	6.428	43	5257254	247.281	ug/l	98
24) 1,1-Dichloroethane	6.381	63	615363	46.372	ug/l	99
25) 2-Butanone	7.328	43	1580609	251.691	ug/l	95
26) 2,2-Dichloropropane	7.322	77	442305	43.204	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	345369	45.393	ug/l	89
28) Bromochloromethane	7.657	49	264649	44.784	ug/l	82
29) Tetrahydrofuran	7.681	42	1071554	246.300	ug/l	91
30) Chloroform	7.816	83	591691	46.750	ug/l	100
31) Cyclohexane	8.092	56	539059	42.131	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	508280	47.146	ug/l	98
36) 1,1-Dichloropropene	8.216	75	432074	44.764	ug/l	97
37) Ethyl Acetate	7.404	43	619400	46.628	ug/l	98
38) Carbon Tetrachloride	8.204	117	429525	46.006	ug/l	98
39) Methylcyclohexane	9.457	83	511532	45.049	ug/l	94
40) Benzene	8.457	78	1331633	45.789	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	293641	45.169	ug/l	91
42) 1,2-Dichloroethane	8.528	62	488220	48.243	ug/l	99
43) Isopropyl Acetate	8.557	43	971811	48.921	ug/l	96
44) Trichloroethene	9.216	130	315166	45.930	ug/l	96
45) 1,2-Dichloropropane	9.487	63	369974	47.391	ug/l	100
46) Dibromomethane	9.575	93	225621	46.955	ug/l	97
47) Bromodichloromethane	9.757	83	471806	48.587	ug/l	100
48) Methyl methacrylate	9.557	41	461324	50.112	ug/l #	83
49) 1,4-Dioxane	9.563	88	169143	1057.029	ug/l	86
51) 4-Methyl-2-Pentanone	10.328	43	3211912	260.530	ug/l	100
52) Toluene	10.504	92	850500	47.493	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	517901	48.383	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	563696	48.196	ug/l	97
55) 1,1,2-Trichloroethane	10.898	97	340600	47.464	ug/l	99
56) Ethyl methacrylate	10.757	69	598431	51.066	ug/l	89
57) 1,3-Dichloropropane	11.039	76	613861	47.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	938888	366.704	ug/l	94
59) 2-Hexanone	11.081	43	2369037	281.634	ug/l	100
60) Dibromochloromethane	11.233	129	360378	50.544	ug/l	99
61) 1,2-Dibromoethane	11.339	107	349330	47.631	ug/l	100
64) Tetrachloroethene	10.975	164	273205	43.627	ug/l	98
65) Chlorobenzene	11.769	112	897754	46.556	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	335569	47.460	ug/l	99
67) Ethyl Benzene	11.839	91	1650238	48.401	ug/l	97
68) m/p-Xylenes	11.951	106	1222288	97.996	ug/l	97
69) o-Xylene	12.275	106	615452	49.225	ug/l	97
70) Styrene	12.292	104	1002914	51.821	ug/l	97
71) Bromoform	12.457	173	278172	51.805	ug/l #	99
73) Isopropylbenzene	12.575	105	1596797	46.114	ug/l	99
74) N-amyl acetate	12.386	43	687226	52.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	541969	52.814	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	436188m	50.108	ug/l	
77) Bromobenzene	12.857	156	372484	46.131	ug/l	80
78) n-propylbenzene	12.916	91	1781246	47.938	ug/l	97
79) 2-Chlorotoluene	13.004	91	1088859	45.650	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1278937	47.474	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	166597	50.136	ug/l	91
82) 4-Chlorotoluene	13.104	91	1000020	47.069	ug/l	95
83) tert-Butylbenzene	13.322	119	1159465	48.227	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1259877	48.825	ug/l	100
85) sec-Butylbenzene	13.498	105	1576792	49.343	ug/l	98
86) p-Isopropyltoluene	13.610	119	1257431	50.035	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	596044	45.431	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	571103	44.532	ug/l	98
89) n-Butylbenzene	13.939	91	974905	49.598	ug/l	97
90) Hexachloroethane	14.210	117	236639	47.350	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	579571	45.949	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	101277	50.268	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	277114	47.248	ug/l	99
94) Hexachlorobutadiene	15.368	225	156806	44.284	ug/l	99
95) Naphthalene	15.504	128	880521	53.120	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	281155	49.863	ug/l	98

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

