

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071240.D
 Acq On : 11 Mar 2022 09:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 12 02:14:54 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	629614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	994044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	920404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	410887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	404024	46.821	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.640%		
35) Dibromofluoromethane	8.016	113	307283	48.987	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.980%		
50) Toluene-d8	10.433	98	1217347	48.200	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.400%		
62) 4-Bromofluorobenzene	12.727	95	436854	51.080	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	308128	44.654	ug/l	98
3) Chloromethane	2.299	50	436711	47.139	ug/l	99
4) Vinyl Chloride	2.440	62	389235	46.028	ug/l	100
5) Bromomethane	2.834	94	212307	57.068	ug/l	96
6) Chloroethane	3.005	64	242816	47.414	ug/l	98
7) Trichlorofluoromethane	3.369	101	517168	46.464	ug/l	96
8) Diethyl Ether	3.822	74	220235	46.239	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.210	101	306052	47.498	ug/l	96
10) Methyl Iodide	4.416	142	394411	43.338	ug/l	99
11) Tert butyl alcohol	5.357	59	367614	216.862	ug/l	99
12) 1,1-Dichloroethene	4.181	96	292665	46.366	ug/l	91
13) Acrolein	4.034	56	367488	204.816	ug/l	99
14) Allyl chloride	4.840	41	640575	46.660	ug/l	86
15) Acrylonitrile	5.546	53	1150609	228.593	ug/l	99
16) Acetone	4.281	43	939689	223.808	ug/l	96
17) Carbon Disulfide	4.528	76	783241	43.586	ug/l	99
18) Methyl Acetate	4.846	43	557088	49.410	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1141117	48.150	ug/l	96
20) Methylene Chloride	5.093	84	365212	47.611	ug/l	90
21) trans-1,2-Dichloroethene	5.593	96	321972	46.634	ug/l	93
22) Diisopropyl ether	6.493	45	1297778	47.983	ug/l	90
23) Vinyl Acetate	6.428	43	5648148	246.673	ug/l	98
24) 1,1-Dichloroethane	6.381	63	672035	47.022	ug/l	99
25) 2-Butanone	7.328	43	1564131	231.260	ug/l	96
26) 2,2-Dichloropropane	7.322	77	546392	49.556	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	387122	47.243	ug/l	89
28) Bromochloromethane	7.651	49	294049	46.202	ug/l	82
29) Tetrahydrofuran	7.675	42	1068088	227.951	ug/l	92
30) Chloroform	7.810	83	645438	47.350	ug/l	99
31) Cyclohexane	8.092	56	624612	45.328	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	549693	47.342	ug/l	97
36) 1,1-Dichloropropene	8.216	75	489586	48.713	ug/l	96
37) Ethyl Acetate	7.404	43	640733	46.323	ug/l	97
38) Carbon Tetrachloride	8.198	117	477472	49.116	ug/l	99
39) Methylcyclohexane	9.451	83	600227	50.766	ug/l	96
40) Benzene	8.451	78	1483343	48.986	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	324849	47.991	ug/l	87
42) 1,2-Dichloroethane	8.522	62	520703	49.415	ug/l	99
43) Isopropyl Acetate	8.551	43	1033548	49.968	ug/l	95
44) Trichloroethene	9.210	130	356269	49.864	ug/l	96
45) 1,2-Dichloropropane	9.486	63	399841	49.189	ug/l	99
46) Dibromomethane	9.575	93	247679	49.505	ug/l	97
47) Bromodichloromethane	9.757	83	505843	50.030	ug/l	99
48) Methyl methacrylate	9.551	41	484101	50.504	ug/l #	82
49) 1,4-Dioxane	9.563	88	163097	978.884	ug/l #	87
51) 4-Methyl-2-Pentanone	10.322	43	3173053	247.186	ug/l	100
52) Toluene	10.498	92	929787	49.864	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	572631	51.378	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	609703	50.065	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	363569	48.659	ug/l	97
56) Ethyl methacrylate	10.757	69	622571	51.022	ug/l	91
57) 1,3-Dichloropropane	11.039	76	660122	49.221	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.034	63	9073	31.010	ug/l	98
59) 2-Hexanone	11.081	43	2298010	262.372	ug/l	100
60) Dibromochloromethane	11.233	129	385518	51.929	ug/l	100
61) 1,2-Dibromoethane	11.339	107	370806	48.557	ug/l	99
64) Tetrachloroethene	10.975	164	311276	48.491	ug/l	96
65) Chlorobenzene	11.763	112	966599	48.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	360104	49.685	ug/l	99
67) Ethyl Benzene	11.839	91	1787807	51.155	ug/l	99
68) m/p-Xylenes	11.945	106	1373501	107.428	ug/l	99
69) o-Xylene	12.275	106	675446	52.703	ug/l	99
70) Styrene	12.286	104	1101205	55.509	ug/l	97
71) Bromoform	12.451	173	290697	52.815	ug/l #	100
73) Isopropylbenzene	12.575	105	1733990	43.778	ug/l	99
74) N-amyl acetate	12.380	43	704013	47.272	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	576989	48.968	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	514015m	51.712	ug/l	
77) Bromobenzene	12.857	156	410680	44.464	ug/l	82
78) n-propylbenzene	12.916	91	2008377	47.253	ug/l	97
79) 2-Chlorotoluene	13.004	91	1209695	44.337	ug/l	94
80) 1,3,5-Trimethylbenzene	13.051	105	1443809	46.853	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	188563	49.609	ug/l	90
82) 4-Chlorotoluene	13.098	91	1172947	48.265	ug/l	94
83) tert-Butylbenzene	13.316	119	1270611	46.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1428621	48.401	ug/l	100
85) sec-Butylbenzene	13.498	105	1741671	47.648	ug/l	99
86) p-Isopropyltoluene	13.610	119	1451013	50.476	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	703157	46.854	ug/l	97
88) 1,4-Dichlorobenzene	13.686	146	689992	47.035	ug/l	98
89) n-Butylbenzene	13.939	91	1149319	51.117	ug/l	97
90) Hexachloroethane	14.204	117	252965	44.250	ug/l	88
91) 1,2-Dichlorobenzene	13.980	146	668156	46.310	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	105420	45.743	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	315156	46.993	ug/l	100
94) Hexachlorobutadiene	15.363	225	191200	47.205	ug/l	99
95) Naphthalene	15.498	128	899058	47.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	307106	47.738	ug/l	99

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

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