

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069461.D
 Acq On : 12 Nov 2021 11:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:22:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1007226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1678512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1614943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	733280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	747269	51.168	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.340%			
35) Dibromofluoromethane	8.024	113	525304	52.181	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.360%			
50) Toluene-d8	10.443	98	1995192	50.392	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.733	95	753791	51.824	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	523277	48.628	ug/l	100
3) Chloromethane	2.303	50	572227	45.854	ug/l	99
4) Vinyl Chloride	2.448	62	572699	45.833	ug/l	99
5) Bromomethane	2.850	94	352782	43.472	ug/l	97
6) Chloroethane	3.017	64	379591	45.006	ug/l	100
7) Trichlorofluoromethane	3.376	101	878040	45.466	ug/l	99
8) Diethyl Ether	3.824	74	315320	50.466	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.205	101	438401	48.192	ug/l	94
10) Methyl Iodide	4.419	142	538570	48.269	ug/l	97
11) Tert butyl alcohol	5.385	59	611670	232.431	ug/l	99
12) 1,1-Dichloroethene	4.178	96	379205	46.451	ug/l	86
13) Acrolein	4.041	56	93924	252.092	ug/l	99
14) Allyl chloride	4.840	41	906133	50.204	ug/l	95
15) Acrylonitrile	5.556	53	1781283	264.319	ug/l	99
16) Acetone	4.291	43	1905696	241.851	ug/l	97
17) Carbon Disulfide	4.527	76	850763	44.088	ug/l	99
18) Methyl Acetate	4.856	43	1279308	49.945	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1859442	53.821	ug/l	97
20) Methylene Chloride	5.095	84	544935	48.770	ug/l	87
21) trans-1,2-Dichloroethene	5.599	96	449356	49.282	ug/l	89
22) Diisopropyl ether	6.501	45	2072210	53.299	ug/l	95
23) Vinyl Acetate	6.436	43	8244069	274.157	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1005431	50.772	ug/l	98
25) 2-Butanone	7.337	43	2731768	256.032	ug/l	93
26) 2,2-Dichloropropane	7.327	77	766167	49.450	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	594418	52.589	ug/l	90
28) Bromochloromethane	7.659	49	569099	56.118	ug/l #	82
29) Tetrahydrofuran	7.686	42	1721264	262.881	ug/l	90
30) Chloroform	7.820	83	1075068	52.955	ug/l	99
31) Cyclohexane	8.096	56	877883	43.999	ug/l	92
32) 1,1,1-Trichloroethane	8.016	97	853077	50.341	ug/l	95
36) 1,1-Dichloropropene	8.222	75	719061	50.912	ug/l	96
37) Ethyl Acetate	7.415	43	1042122	54.584	ug/l	97
38) Carbon Tetrachloride	8.206	117	691935	50.745	ug/l	99
39) Methylcyclohexane	9.461	83	869640	49.497	ug/l	92
40) Benzene	8.461	78	2251115	51.637	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	528311	53.554	ug/l	90
42) 1,2-Dichloroethane	8.531	62	922297	54.031	ug/l	97
43) Isopropyl Acetate	8.563	43	1676774	54.679	ug/l	94
44) Trichloroethene	9.217	130	542262	51.973	ug/l	90
45) 1,2-Dichloropropane	9.491	63	632456	54.301	ug/l	97
46) Dibromomethane	9.579	93	426944	54.726	ug/l	91
47) Bromodichloromethane	9.764	83	819570	56.297	ug/l	99
48) Methyl methacrylate	9.561	41	768162	53.242	ug/l	92
49) 1,4-Dioxane	9.571	88	278549	975.214	ug/l #	89
51) 4-Methyl-2-Pentanone	10.333	43	5492714	277.493	ug/l	95
52) Toluene	10.507	92	1446736	53.269	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	882893	49.361	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	942053	49.947	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	612802	55.975	ug/l	98
56) Ethyl methacrylate	10.762	69	1031609	50.001	ug/l	86
57) 1,3-Dichloropropane	11.046	76	1054674	54.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	1177819	224.569	ug/l	92
59) 2-Hexanone	11.087	43	4025534	241.154	ug/l	94
60) Dibromochloromethane	11.240	129	607330	50.517	ug/l	100
61) 1,2-Dibromoethane	11.347	107	631710	51.659	ug/l	100
64) Tetrachloroethene	10.979	164	498560	51.128	ug/l	95
65) Chlorobenzene	11.771	112	1577452	52.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	577611	55.399	ug/l	99
67) Ethyl Benzene	11.846	91	2877301	51.900	ug/l	97
68) m/p-Xylenes	11.956	106	2148270	105.359	ug/l	95
69) o-Xylene	12.283	106	1065875	52.435	ug/l	93
70) Styrene	12.296	104	1803193	49.425	ug/l	96
71) Bromoform	12.460	173	433825	48.062	ug/l #	99
73) Isopropylbenzene	12.581	105	2810539	48.138	ug/l	98
74) N-amyl acetate	12.390	43	1293333	52.271	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	979502	49.743	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	859874m	50.813	ug/l	
77) Bromobenzene	12.862	156	668748	50.084	ug/l	80
78) n-propylbenzene	12.921	91	3299939	50.231	ug/l	96
79) 2-Chlorotoluene	13.010	91	1980537	48.690	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	2329661	49.358	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	253515	45.219	ug/l	93
82) 4-Chlorotoluene	13.106	91	1947562	50.226	ug/l	94
83) tert-Butylbenzene	13.326	119	2021711	48.879	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	2318490	50.882	ug/l	97
85) sec-Butylbenzene	13.503	105	2930324	50.717	ug/l	97
86) p-Isopropyltoluene	13.616	119	2362423	51.506	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	1199411	51.811	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1170919	51.558	ug/l	98
89) n-Butylbenzene	13.943	91	2039227	53.314	ug/l	98
90) Hexachloroethane	14.214	117	384217	45.765	ug/l	86
91) 1,2-Dichlorobenzene	13.991	146	1159111	52.619	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	173431	47.467	ug/l	82
93) 1,2,4-Trichlorobenzene	15.265	180	576131	49.920	ug/l	99
94) Hexachlorobutadiene	15.370	225	309718	54.111	ug/l	99
95) Naphthalene	15.507	128	1574740	48.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	563827	51.016	ug/l	98

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

