

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069758.D
 Acq On : 4 Dec 2021 11:35
 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 12/06/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 04 16:10:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	1125196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1817085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1715631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	767687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	777386	44.747	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.500%		
35) Dibromofluoromethane	8.021	113	534442	46.956	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.920%		
50) Toluene-d8	10.440	98	2127951	46.562	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.120%		
62) 4-Bromofluorobenzene	12.731	95	804442	48.587	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	760398	57.941	ug/l	100
3) Chloromethane	2.303	50	805280	48.978	ug/l	98
4) Vinyl Chloride	2.448	62	799344	52.874	ug/l	98
5) Bromomethane	2.840	94	414050	50.412	ug/l	100
6) Chloroethane	3.014	64	476954	51.484	ug/l	96
7) Trichlorofluoromethane	3.373	101	1078588	54.360	ug/l	99
8) Diethyl Ether	3.821	74	414919	54.295	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.205	101	637426	57.310	ug/l	96
10) Methyl Iodide	4.417	142	629700	41.442	ug/l	97
11) Tert butyl alcohol	5.377	59	714295	217.512	ug/l	100
12) 1,1-Dichloroethene	4.178	96	582136	54.314	ug/l	85
13) Acrolein	4.039	56	736932	263.514	ug/l	98
14) Allyl chloride	4.838	41	1324287	54.833	ug/l	94
15) Acrylonitrile	5.551	53	2106117	238.006	ug/l	99
16) Acetone	4.283	43	2866563	274.295	ug/l	97
17) Carbon Disulfide	4.527	76	1599095	57.750	ug/l	99
18) Methyl Acetate	4.851	43	1471445	46.646	ug/l	92
19) Methyl tert-butyl Ether	5.613	73	2241443	53.785	ug/l	96
20) Methylene Chloride	5.093	84	700683	50.434	ug/l #	83
21) trans-1,2-Dichloroethene	5.594	96	628014	53.947	ug/l	86
22) Diisopropyl ether	6.495	45	2614184	55.379	ug/l	95
23) Vinyl Acetate	6.431	43	10771478	280.475	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1338132	54.723	ug/l	98
25) 2-Butanone	7.332	43	3485348	245.457	ug/l	91
26) 2,2-Dichloropropane	7.324	77	1099075	57.808	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	754236	53.625	ug/l	84
28) Bromochloromethane	7.657	49	645924	50.797	ug/l #	78
29) Tetrahydrofuran	7.683	42	2037293	236.284	ug/l	88
30) Chloroform	7.817	83	1326195	53.701	ug/l	99
31) Cyclohexane	8.094	56	1303376	53.909	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	1165900	55.424	ug/l	96
36) 1,1-Dichloropropene	8.220	75	1003733	58.026	ug/l	96
37) Ethyl Acetate	7.412	43	1234392	47.945	ug/l	96
38) Carbon Tetrachloride	8.206	117	980096	57.779	ug/l	99
39) Methylcyclohexane	9.459	83	1252432	60.870	ug/l	90
40) Benzene	8.458	78	2948249	55.760	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	614438	50.839	ug/l	91
42) 1,2-Dichloroethane	8.528	62	1174581	55.031	ug/l	96
43) Isopropyl Acetate	8.560	43	2036476	53.451	ug/l #	93
44) Trichloroethene	9.215	130	721660	57.185	ug/l	91
45) 1,2-Dichloropropane	9.488	63	794638	55.966	ug/l	99
46) Dibromomethane	9.577	93	513634	55.159	ug/l	93
47) Bromodichloromethane	9.759	83	1026250	58.208	ug/l	99
48) Methyl methacrylate	9.558	41	1021329	57.441	ug/l #	81
49) 1,4-Dioxane	9.566	88	297567	932.715	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	6393376	258.669	ug/l	95
52) Toluene	10.505	92	1832964	56.783	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	1140500	53.565	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1223995	54.792	ug/l #	88
55) 1,1,2-Trichloroethane	10.896	97	719045	55.208	ug/l	97
56) Ethyl methacrylate	10.760	69	1233748	50.194	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1270546	55.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1547001	234.351	ug/l	91
59) 2-Hexanone	11.084	43	4926490	263.488	ug/l	93
60) Dibromochloromethane	11.237	129	734615	52.516	ug/l	100
61) 1,2-Dibromoethane	11.344	107	743392	55.106	ug/l	99
64) Tetrachloroethene	10.977	164	648086	55.710	ug/l	95
65) Chlorobenzene	11.768	112	1948053	55.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	701124	57.233	ug/l	99
67) Ethyl Benzene	11.843	91	3680752	58.219	ug/l	96
68) m/p-Xylenes	11.953	106	2725413	118.394	ug/l	92
69) o-Xylene	12.280	106	1351703	58.295	ug/l	92
70) Styrene	12.294	104	2221957	60.432	ug/l	96
71) Bromoform	12.457	173	535253	51.026	ug/l #	99
73) Isopropylbenzene	12.578	105	3610508	52.860	ug/l	98
74) N-amyl acetate	12.387	43	1590190	52.645	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	1118037	47.336	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	1015775m	46.139	ug/l	
77) Bromobenzene	12.860	156	816611	50.900	ug/l	79
78) n-propylbenzene	12.919	91	4207383	55.356	ug/l	96
79) 2-Chlorotoluene	13.007	91	2538355	52.854	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2986350	54.321	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	324771	48.421	ug/l	96
82) 4-Chlorotoluene	13.104	91	2480016	54.910	ug/l	93
83) tert-Butylbenzene	13.324	119	2565390	52.700	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	2911316	55.606	ug/l	98
85) sec-Butylbenzene	13.501	105	3675059	55.658	ug/l	98
86) p-Isopropyltoluene	13.616	119	3002232	58.169	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1459357	55.370	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1411815	54.507	ug/l	98
89) n-Butylbenzene	13.943	91	2538471	60.631	ug/l	98
90) Hexachloroethane	14.209	117	489973	54.072	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1375352	53.556	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	207995	48.734	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	667693	52.838	ug/l	99
94) Hexachlorobutadiene	15.370	225	370880	54.494	ug/l	100
95) Naphthalene	15.507	128	1782581	47.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	645023	52.423	ug/l	98

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

