

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069954.D
 Acq On : 10 Dec 2021 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 11:28:13 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	8.086	168	1024747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1735193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1644562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	716337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	757137	47.853	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.700%		
35) Dibromofluoromethane	8.021	113	527121	48.498	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.000%		
50) Toluene-d8	10.440	98	2058127	47.159	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.320%		
62) 4-Bromofluorobenzene	12.731	95	760350	48.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	521903	43.666	ug/l	98
3) Chloromethane	2.303	50	633428	42.302	ug/l	98
4) Vinyl Chloride	2.448	62	606304	44.036	ug/l	99
5) Bromomethane	2.842	94	312934	41.835	ug/l	100
6) Chloroethane	3.014	64	358297	42.467	ug/l	98
7) Trichlorofluoromethane	3.373	101	801947	44.379	ug/l	99
8) Diethyl Ether	3.824	74	325266	46.735	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	466868	46.090	ug/l	95
10) Methyl Iodide	4.419	142	614804	44.428	ug/l	97
11) Tert butyl alcohol	5.377	59	627463	209.800	ug/l	98
12) 1,1-Dichloroethene	4.178	96	443842	45.470	ug/l	89
13) Acrolein	4.038	56	597346	234.538	ug/l	99
14) Allyl chloride	4.838	41	1013517	46.079	ug/l	92
15) Acrylonitrile	5.554	53	1800570	223.423	ug/l	98
16) Acetone	4.285	43	1681063	176.625	ug/l	96
17) Carbon Disulfide	4.529	76	1220966	48.417	ug/l	99
18) Methyl Acetate	4.854	43	1327514	46.209	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	1773225	46.721	ug/l	95
20) Methylene Chloride	5.095	84	556305	43.967	ug/l #	84
21) trans-1,2-Dichloroethene	5.597	96	481626	45.427	ug/l	86
22) Diisopropyl ether	6.498	45	2083157	48.455	ug/l	94
23) Vinyl Acetate	6.433	43	8577752	245.247	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1056421	47.437	ug/l	98
25) 2-Butanone	7.335	43	2649443	204.878	ug/l	91
26) 2,2-Dichloropropane	7.327	77	659506	38.088	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	583484	45.552	ug/l	87
28) Bromochloromethane	7.656	49	611222	52.779	ug/l #	77
29) Tetrahydrofuran	7.683	42	1732122	220.582	ug/l	87
30) Chloroform	7.817	83	1055778	46.942	ug/l	99
31) Cyclohexane	8.094	56	965577	43.852	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	917612	47.897	ug/l	95
36) 1,1-Dichloropropene	8.222	75	747839	45.273	ug/l	96
37) Ethyl Acetate	7.412	43	1052969	42.829	ug/l	95
38) Carbon Tetrachloride	8.206	117	791198	48.844	ug/l	99
39) Methylcyclohexane	9.459	83	863253	43.935	ug/l	88
40) Benzene	8.458	78	2294224	45.439	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	532678	46.154	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	914058	44.846	ug/l	96
43) Isopropyl Acetate	8.560	43	1744112	47.938	ug/l #	92
44) Trichloroethene	9.217	130	530333	44.007	ug/l	93
45) 1,2-Dichloropropane	9.491	63	636306	46.930	ug/l	99
46) Dibromomethane	9.577	93	410346	46.147	ug/l	93
47) Bromodichloromethane	9.762	83	862349	51.220	ug/l	99
48) Methyl methacrylate	9.558	41	779302	45.898	ug/l	88
49) 1,4-Dioxane	9.571	88	230686	757.204	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	5478709	232.124	ug/l	95
52) Toluene	10.505	92	1405416	45.593	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	868305	43.272	ug/l	100
54) cis-1,3-Dichloropropene	10.188	75	934270	44.197	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	571294	45.934	ug/l	97
56) Ethyl methacrylate	10.759	69	978839	42.088	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	1004032	45.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1324103	211.958	ug/l	91
59) 2-Hexanone	11.084	43	3934080	220.340	ug/l	92
60) Dibromochloromethane	11.237	129	628131	47.271	ug/l	99
61) 1,2-Dibromoethane	11.344	107	590168	45.813	ug/l	99
64) Tetrachloroethene	10.977	164	464785	41.680	ug/l	95
65) Chlorobenzene	11.768	112	1479587	44.348	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	570379	48.573	ug/l	100
67) Ethyl Benzene	11.843	91	2778157	45.841	ug/l	95
68) m/p-Xylenes	11.953	106	2025451	91.789	ug/l	92
69) o-Xylene	12.280	106	1015686	45.697	ug/l	92
70) Styrene	12.294	104	1681519	47.710	ug/l	95
71) Bromoform	12.457	173	480299	47.940	ug/l #	100
73) Isopropylbenzene	12.578	105	2659422	41.727	ug/l	98
74) N-amyl acetate	12.387	43	1259747	44.695	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	920390	41.761	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	782008m	38.067	ug/l	
77) Bromobenzene	12.859	156	626114	41.824	ug/l	78
78) n-propylbenzene	12.918	91	3067287	43.249	ug/l	96
79) 2-Chlorotoluene	13.007	91	1876154	41.866	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2188430	42.661	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.623	75	262058	42.421	ug/l	98
82) 4-Chlorotoluene	13.103	91	1816301	43.097	ug/l	92
83) tert-Butylbenzene	13.323	119	1903618	41.909	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2155660	44.124	ug/l	98
85) sec-Butylbenzene	13.500	105	2669507	43.327	ug/l	97
86) p-Isopropyltoluene	13.616	119	2120643	44.033	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1056886	42.974	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1012301	41.885	ug/l	96
89) n-Butylbenzene	13.943	91	1750623	44.811	ug/l	98
90) Hexachloroethane	14.208	117	435908	51.554	ug/l	88
91) 1,2-Dichlorobenzene	13.986	146	1020537	42.588	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	179824	45.154	ug/l	77
93) 1,2,4-Trichlorobenzene	15.265	180	466441	40.281	ug/l	98
94) Hexachlorobutadiene	15.370	225	276741	43.577	ug/l	98
95) Naphthalene	15.507	128	1240810	36.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	455941	40.302	ug/l	99

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

