

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069998.D
 Acq On : 11 Dec 2021 9:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 12 16:05:30 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	900214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1507663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1427802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	634427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	764693	55.017	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.040%	
35) Dibromofluoromethane	8.021	113	536215	56.780	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 113.560%	
50) Toluene-d8	10.440	98	2039975	53.798	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.600%	
62) 4-Bromofluorobenzene	12.731	95	756892	55.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 110.200%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	501189	47.734	ug/l	99
3) Chloromethane	2.301	50	610062	46.378	ug/l	98
4) Vinyl Chloride	2.445	62	578054	47.792	ug/l	98
5) Bromomethane	2.834	94	294269	44.782	ug/l	97
6) Chloroethane	3.009	64	347214	46.846	ug/l	99
7) Trichlorofluoromethane	3.371	101	761976	48.000	ug/l	98
8) Diethyl Ether	3.821	74	312142	51.054	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	447819	50.325	ug/l	95
10) Methyl Iodide	4.417	142	592148	48.711	ug/l	97
11) Tert butyl alcohol	5.382	59	628517	239.225	ug/l	98
12) 1,1-Dichloroethene	4.175	96	424340	49.486	ug/l	86
13) Acrolein	4.039	56	538568	240.713	ug/l	99
14) Allyl chloride	4.838	41	998750	51.689	ug/l	91
15) Acrylonitrile	5.554	53	1795653	253.636	ug/l	99
16) Acetone	4.285	43	1675388	200.380	ug/l	97
17) Carbon Disulfide	4.524	76	1169739	52.802	ug/l	98
18) Methyl Acetate	4.854	43	1270737	50.351	ug/l	90
19) Methyl tert-butyl Ether	5.618	73	1698536	50.944	ug/l	96
20) Methylene Chloride	5.095	84	538266	48.427	ug/l #	84
21) trans-1,2-Dichloroethene	5.594	96	456774	49.043	ug/l #	84
22) Diisopropyl ether	6.498	45	2012709	53.293	ug/l	93
23) Vinyl Acetate	6.434	43	8248418	268.456	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1020869	52.182	ug/l	98
25) 2-Butanone	7.335	43	2626089	231.164	ug/l	91
26) 2,2-Dichloropropane	7.327	77	608060	39.975	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	558891	49.668	ug/l	87
28) Bromochloromethane	7.657	49	480145	47.196	ug/l #	76
29) Tetrahydrofuran	7.686	42	1724970	250.060	ug/l	87
30) Chloroform	7.817	83	1025651	51.911	ug/l	100
31) Cyclohexane	8.094	56	930800	48.121	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	886727	52.687	ug/l	95
36) 1,1-Dichloropropene	8.222	75	723360	50.400	ug/l	96
37) Ethyl Acetate	7.412	43	1018713	47.688	ug/l	95
38) Carbon Tetrachloride	8.206	117	762633	54.186	ug/l	99
39) Methylcyclohexane	9.459	83	821657	48.129	ug/l	88
40) Benzene	8.461	78	2209199	50.358	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	515529	51.409	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	882723	49.845	ug/l	97
43) Isopropyl Acetate	8.563	43	1630425	51.576	ug/l #	93
44) Trichloroethene	9.217	130	511352	48.836	ug/l	91
45) 1,2-Dichloropropane	9.488	63	610837	51.851	ug/l	99
46) Dibromomethane	9.577	93	396213	51.282	ug/l	93
47) Bromodichloromethane	9.762	83	841794	57.545	ug/l	100
48) Methyl methacrylate	9.561	41	760578	51.555	ug/l	87
49) 1,4-Dioxane	9.569	88	248258	937.861	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	5357535	261.246	ug/l	94
52) Toluene	10.505	92	1343402	50.158	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	826694	47.148	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	889639	48.246	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	549046	50.807	ug/l	97
56) Ethyl methacrylate	10.762	69	943839	46.458	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	973965	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1310339	238.855	ug/l	91
59) 2-Hexanone	11.084	43	3867668	249.312	ug/l	92
60) Dibromochloromethane	11.240	129	601058	51.820	ug/l	99
61) 1,2-Dibromoethane	11.347	107	563961	50.385	ug/l	99
64) Tetrachloroethene	10.977	164	440151	45.463	ug/l	93
65) Chlorobenzene	11.771	112	1408118	48.613	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	548863	53.836	ug/l	99
67) Ethyl Benzene	11.846	91	2659096	50.538	ug/l	96
68) m/p-Xylenes	11.953	106	1945926	101.573	ug/l	92
69) o-Xylene	12.280	106	970791	50.307	ug/l	91
70) Styrene	12.294	104	1615749	52.803	ug/l	95
71) Bromoform	12.457	173	471771	53.879	ug/l #	100
73) Isopropylbenzene	12.578	105	2547962	45.140	ug/l	98
74) N-amyl acetate	12.388	43	1215224	48.681	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	900867	46.153	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	822319m	45.198	ug/l	
77) Bromobenzene	12.860	156	592442	44.684	ug/l	77
78) n-propylbenzene	12.921	91	2951816	46.994	ug/l	95
79) 2-Chlorotoluene	13.007	91	1806311	45.511	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	2087904	45.956	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	246419	44.789	ug/l	95
82) 4-Chlorotoluene	13.104	91	1740051	46.619	ug/l	92
83) tert-Butylbenzene	13.324	119	1823392	45.325	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	2062843	47.676	ug/l	97
85) sec-Butylbenzene	13.501	105	2547075	46.678	ug/l	98
86) p-Isopropyltoluene	13.616	119	2028694	47.563	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1013431	46.527	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	976240	45.607	ug/l	97
89) n-Butylbenzene	13.943	91	1642180	47.462	ug/l	97
90) Hexachloroethane	14.211	117	416472	55.614	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	984641	46.395	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	174821	49.565	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	439475	42.669	ug/l	98
94) Hexachlorobutadiene	15.370	225	254983	45.334	ug/l	100
95) Naphthalene	15.507	128	1193726	39.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	434367	43.168	ug/l	99

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

