

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070058.D
 Acq On : 14 Dec 2021 3:32
 Operator : JC/MD
 Sample : M5007-07MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07MS

Quant Time: Dec 14 07:31:27 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	965464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1608038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1491953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	641836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	784292	52.613	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.220%			
35) Dibromofluoromethane	8.024	113	547410	54.347	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.700%			
50) Toluene-d8	10.440	98	2091961	51.725	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.731	95	754809	51.516	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	479950	42.622	ug/l	100
3) Chloromethane	2.303	50	603420	42.773	ug/l	98
4) Vinyl Chloride	2.448	62	575207	44.343	ug/l	99
5) Bromomethane	2.842	94	285511	40.513	ug/l	100
6) Chloroethane	3.014	64	333804	41.993	ug/l	96
7) Trichlorofluoromethane	3.373	101	728357	42.782	ug/l	100
8) Diethyl Ether	3.824	74	312210	47.614	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.205	101	443041	46.423	ug/l	96
10) Methyl Iodide	4.419	142	596305	45.738	ug/l	99
11) Tert butyl alcohol	5.379	59	477344	169.407	ug/l	99
12) 1,1-Dichloroethene	4.181	96	413836	45.000	ug/l	89
13) Acrolein	4.038	56	436527	181.920	ug/l	99
14) Allyl chloride	4.838	41	977512	47.171	ug/l	91
15) Acrylonitrile	5.551	53	1703628	224.374	ug/l	98
16) Acetone	4.288	43	1517999	169.285	ug/l	97
17) Carbon Disulfide	4.527	76	1145883	48.229	ug/l	99
18) Methyl Acetate	4.856	43	1097824	40.560	ug/l #	90
19) Methyl tert-butyl Ether	5.618	73	1809635	50.608	ug/l	95
20) Methylene Chloride	5.095	84	531008	44.545	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	452859	45.337	ug/l #	83
22) Diisopropyl ether	6.498	45	2017904	49.820	ug/l #	93
23) Vinyl Acetate	6.433	43	7386245	224.148	ug/l #	93
24) 1,1-Dichloroethane	6.388	63	1008215	48.052	ug/l	98
25) 2-Butanone	7.335	43	2441182	200.365	ug/l	90
26) 2,2-Dichloropropane	7.324	77	638679	39.150	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	567406	47.016	ug/l	86
28) Bromochloromethane	7.659	49	526761	48.279	ug/l #	76
29) Tetrahydrofuran	7.686	42	1605147	216.964	ug/l	87
30) Chloroform	7.817	83	1013534	47.831	ug/l	99
31) Cyclohexane	8.094	56	903573	43.556	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	843751	46.746	ug/l	94
36) 1,1-Dichloropropene	8.222	75	711826	46.500	ug/l	95
37) Ethyl Acetate	7.412	43	915320	40.174	ug/l	95
38) Carbon Tetrachloride	8.204	117	726310	48.384	ug/l	99
39) Methylcyclohexane	9.461	83	818050	44.927	ug/l	89
40) Benzene	8.458	78	2167537	46.324	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	499052	46.660	ug/l	90
42) 1,2-Dichloroethane	8.531	62	870804	46.103	ug/l	97
43) Isopropyl Acetate	8.560	43	1474826	43.742	ug/l #	94
44) Trichloroethene	9.215	130	498635	44.649	ug/l	92
45) 1,2-Dichloropropane	9.488	63	603325	48.016	ug/l	99
46) Dibromomethane	9.577	93	391829	47.549	ug/l	92
47) Bromodichloromethane	9.762	83	824118	52.820	ug/l	98
48) Methyl methacrylate	9.561	41	730630	46.434	ug/l	87
49) 1,4-Dioxane	9.569	88	203886	722.155	ug/l #	83
51) 4-Methyl-2-Pentanone	10.330	43	5098360	233.090	ug/l	95
52) Toluene	10.505	92	1328309	46.499	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	805589	43.318	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	872185	44.508	ug/l #	88
55) 1,1,2-Trichloroethane	10.896	97	555858	48.226	ug/l	97
56) Ethyl methacrylate	10.759	69	895130	41.563	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	967891	47.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.059	63	221	18.424	ug/l #	45
59) 2-Hexanone	11.084	43	3564083	215.402	ug/l	93
60) Dibromochloromethane	11.237	129	598461	48.533	ug/l	100
61) 1,2-Dibromoethane	11.344	107	554533	46.450	ug/l	99
64) Tetrachloroethene	10.977	164	417107	41.231	ug/l	96
65) Chlorobenzene	11.771	112	1400184	46.261	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	536078	50.321	ug/l	99
67) Ethyl Benzene	11.846	91	2634734	47.922	ug/l	96
68) m/p-Xylenes	11.953	106	1895780	94.701	ug/l	91
69) o-Xylene	12.280	106	955184	47.370	ug/l	90
70) Styrene	12.294	104	1583294	49.518	ug/l	95
71) Bromoform	12.457	173	452861	49.718	ug/l #	99
73) Isopropylbenzene	12.578	105	2521680	44.158	ug/l	98
74) N-amyl acetate	12.390	43	1034448	40.961	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	884349	44.784	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	800613m	43.497	ug/l	
77) Bromobenzene	12.859	156	590045	43.990	ug/l	78
78) n-propylbenzene	12.921	91	2896196	45.577	ug/l	96
79) 2-Chlorotoluene	13.007	91	1775066	44.208	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	2054668	44.703	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	233047	42.134	ug/l	93
82) 4-Chlorotoluene	13.104	91	1711406	45.322	ug/l	92
83) tert-Butylbenzene	13.323	119	1793155	44.059	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	2020195	46.151	ug/l	98
85) sec-Butylbenzene	13.503	105	2510743	45.481	ug/l	97
86) p-Isopropyltoluene	13.616	119	1983545	45.967	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	981276	44.531	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	952907	44.004	ug/l	98
89) n-Butylbenzene	13.943	91	1596031	45.596	ug/l	98
90) Hexachloroethane	14.211	117	395716	52.233	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	965395	44.964	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	164754	46.171	ug/l	76
93) 1,2,4-Trichlorobenzene	15.262	180	424451	40.865	ug/l	98
94) Hexachlorobutadiene	15.370	225	251370	44.176	ug/l	98
95) Naphthalene	15.507	128	1144465	37.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	424027	41.740	ug/l	98

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

