

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070059.D
 Acq On : 14 Dec 2021 3:57
 Operator : JC/MD
 Sample : M5007-08MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07MSD

Quant Time: Dec 14 07:31:45 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	927109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1567772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1481244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	625451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	689621	48.176	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.360%		
35) Dibromofluoromethane	8.021	113	483111	49.196	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.400%		
50) Toluene-d8	10.440	98	1858840	47.141	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.731	95	680564	47.641	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	466521	43.143	ug/l	99
3) Chloromethane	2.303	50	570221	42.092	ug/l	97
4) Vinyl Chloride	2.448	62	548273	44.015	ug/l	99
5) Bromomethane	2.848	94	281507	41.597	ug/l	99
6) Chloroethane	3.017	64	322138	42.202	ug/l	98
7) Trichlorofluoromethane	3.376	101	706632	43.223	ug/l	99
8) Diethyl Ether	3.821	74	298417	47.393	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.210	101	427336	46.630	ug/l	95
10) Methyl Iodide	4.419	142	570892	45.600	ug/l	98
11) Tert butyl alcohol	5.379	59	461886	170.702	ug/l	99
12) 1,1-Dichloroethene	4.181	96	402874	45.620	ug/l	87
13) Acrolein	4.041	56	462913	200.897	ug/l	96
14) Allyl chloride	4.840	41	952330	47.857	ug/l	92
15) Acrylonitrile	5.554	53	1659483	227.602	ug/l	100
16) Acetone	4.288	43	1476031	171.415	ug/l	97
17) Carbon Disulfide	4.527	76	1102143	48.308	ug/l	99
18) Methyl Acetate	4.856	43	1082484	41.648	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1780608	51.856	ug/l	95
20) Methylene Chloride	5.095	84	510721	44.616	ug/l #	83
21) trans-1,2-Dichloroethene	5.599	96	441552	46.034	ug/l	85
22) Diisopropyl ether	6.498	45	1968713	50.616	ug/l #	94
23) Vinyl Acetate	6.433	43	7258145	229.373	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	971738	48.230	ug/l	97
25) 2-Butanone	7.335	43	2363528	202.017	ug/l	91
26) 2,2-Dichloropropane	7.327	77	628066	40.093	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	550617	47.513	ug/l	86
28) Bromochloromethane	7.659	49	492304	46.988	ug/l #	76
29) Tetrahydrofuran	7.686	42	1562524	219.940	ug/l #	87
30) Chloroform	7.817	83	977039	48.016	ug/l	98
31) Cyclohexane	8.096	56	883083	44.329	ug/l	87
32) 1,1,1-Trichloroethane	8.016	97	825455	47.624	ug/l	94
36) 1,1-Dichloropropene	8.222	75	685333	45.919	ug/l	96
37) Ethyl Acetate	7.412	43	901378	40.578	ug/l	95
38) Carbon Tetrachloride	8.206	117	707840	48.365	ug/l	99
39) Methylcyclohexane	9.459	83	793304	44.687	ug/l	89
40) Benzene	8.461	78	2088908	45.790	ug/l	99

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41) Methacrylonitrile	7.638	41	483682	46.384	ug/l	88
42) 1,2-Dichloroethane	8.531	62	843155	45.785	ug/l	97
43) Isopropyl Acetate	8.560	43	1445807	43.982	ug/l #	94
44) Trichloroethene	9.217	130	487973	44.816	ug/l	93
45) 1,2-Dichloropropane	9.491	63	584888	47.745	ug/l	99
46) Dibromomethane	9.577	93	373042	46.432	ug/l	93
47) Bromodichloromethane	9.762	83	797789	52.446	ug/l	99
48) Methyl methacrylate	9.561	41	717205	46.751	ug/l	83
49) 1,4-Dioxane	9.569	88	189694	689.144	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	4923210	230.863	ug/l	95
52) Toluene	10.505	92	1287416	46.225	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	787584	43.430	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	840783	44.030	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	531503	47.298	ug/l	98
56) Ethyl methacrylate	10.759	69	879779	41.881	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	931994	47.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.062	63	470	18.465	ug/l #	45
59) 2-Hexanone	11.084	43	3488503	216.249	ug/l	92
60) Dibromochloromethane	11.237	129	576649	47.993	ug/l	100
61) 1,2-Dibromoethane	11.347	107	535545	46.012	ug/l	100
64) Tetrachloroethene	10.977	164	404430	40.266	ug/l	94
65) Chlorobenzene	11.771	112	1356158	45.130	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	520209	49.185	ug/l	99
67) Ethyl Benzene	11.843	91	2547541	46.671	ug/l	96
68) m/p-Xylenes	11.953	106	1836085	92.382	ug/l	91
69) o-Xylene	12.280	106	926508	46.280	ug/l	92
70) Styrene	12.294	104	1518792	47.844	ug/l	95
71) Bromoform	12.457	173	438743	48.582	ug/l #	100
73) Isopropylbenzene	12.578	105	2427639	43.625	ug/l	98
74) N-amyl acetate	12.387	43	1023399	41.585	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	848747	44.107	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	758296m	42.277	ug/l	
77) Bromobenzene	12.859	156	567197	43.394	ug/l	79
78) n-propylbenzene	12.919	91	2781564	44.919	ug/l	95
79) 2-Chlorotoluene	13.007	91	1713972	43.805	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	1987678	44.378	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	227033	42.123	ug/l	95
82) 4-Chlorotoluene	13.104	91	1649970	44.840	ug/l	92
83) tert-Butylbenzene	13.323	119	1744425	43.984	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	1944784	45.592	ug/l	97
85) sec-Butylbenzene	13.500	105	2412792	44.851	ug/l	97
86) p-Isopropyltoluene	13.616	119	1907705	45.368	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	946095	44.059	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	916346	43.424	ug/l	97
89) n-Butylbenzene	13.943	91	1554399	45.570	ug/l	97
90) Hexachloroethane	14.209	117	382845	51.858	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	924969	44.209	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	157865	45.400	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	432929	42.639	ug/l	97
94) Hexachlorobutadiene	15.370	225	240818	43.430	ug/l	99
95) Naphthalene	15.507	128	1214888	40.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	428876	43.231	ug/l	99

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

