

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071454.D
 Acq On : 22 Mar 2022 06:33
 Operator : JC\MD
 Sample : N2015-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07MSD

Quant Time: Mar 22 08:09:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	551434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	921234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	856770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	361959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	368663	48.780	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.560%		
35) Dibromofluoromethane	8.016	113	275932	47.466	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.940%		
50) Toluene-d8	10.439	98	1084571	46.337	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.680%		
62) 4-Bromofluorobenzene	12.727	95	388127	48.970	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	261083	43.200	ug/l	99
3) Chloromethane	2.299	50	376236	46.369	ug/l	99
4) Vinyl Chloride	2.440	62	355434	47.990	ug/l	98
5) Bromomethane	2.822	94	169917	51.564	ug/l	98
6) Chloroethane	2.999	64	244680	54.552	ug/l	96
7) Trichlorofluoromethane	3.363	101	477782	49.011	ug/l	98
8) Diethyl Ether	3.822	74	216728	51.953	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	275746	48.862	ug/l	95
10) Methyl Iodide	4.416	142	378337	47.466	ug/l	100
11) Tert butyl alcohol	5.363	59	428889	288.879	ug/l	99
12) 1,1-Dichloroethene	4.175	96	270242	48.884	ug/l	94
13) Acrolein	4.040	56	317598	202.106	ug/l	99
14) Allyl chloride	4.840	41	597384	49.683	ug/l	86
15) Acrylonitrile	5.546	53	1190391	270.026	ug/l	99
16) Acetone	4.281	43	1023970	278.458	ug/l	98
17) Carbon Disulfide	4.528	76	661608	42.037	ug/l	99
18) Methyl Acetate	4.852	43	519707	52.599	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1241004	59.789	ug/l	94
20) Methylene Chloride	5.093	84	346187	51.498	ug/l	93
21) trans-1,2-Dichloroethene	5.599	96	295450	48.860	ug/l	88
22) Diisopropyl ether	6.493	45	1285246	54.256	ug/l	91
23) Vinyl Acetate	6.428	43	5060061	252.321	ug/l	98
24) 1,1-Dichloroethane	6.387	63	649943	51.924	ug/l	99
25) 2-Butanone	7.328	43	1668495	281.665	ug/l	95
26) 2,2-Dichloropropane	7.322	77	391194	40.510	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	377991	52.668	ug/l	92
28) Bromochloromethane	7.651	49	251958	45.201	ug/l #	81
29) Tetrahydrofuran	7.675	42	1124415	273.994	ug/l	91
30) Chloroform	7.810	83	627802	52.586	ug/l	99
31) Cyclohexane	8.092	56	566686	46.954	ug/l	89
32) 1,1,1-Trichloroethane	8.010	97	528838	52.003	ug/l	97
36) 1,1-Dichloropropene	8.216	75	453473	48.686	ug/l	96
37) Ethyl Acetate	7.404	43	600054	46.811	ug/l	98
38) Carbon Tetrachloride	8.204	117	443582	49.237	ug/l	99
39) Methylcyclohexane	9.457	83	530328	48.400	ug/l	92
40) Benzene	8.457	78	1406222	50.110	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	322387	51.391	ug/l	92
42) 1,2-Dichloroethane	8.522	62	518286	53.073	ug/l	99
43) Isopropyl Acetate	8.557	43	973720	50.796	ug/l	96
44) Trichloroethene	9.210	130	327321	49.434	ug/l	93
45) 1,2-Dichloropropane	9.487	63	390094	51.783	ug/l	97
46) Dibromomethane	9.575	93	240898	51.955	ug/l	96
47) Bromodichloromethane	9.757	83	490072	52.301	ug/l	99
48) Methyl methacrylate	9.551	41	503111	56.635	ug/l #	81
49) 1,4-Dioxane	9.563	88	171169	1108.527	ug/l #	86
51) 4-Methyl-2-Pentanone	10.328	43	3372982	283.528	ug/l	100
52) Toluene	10.504	92	883891	51.150	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	530650	51.374	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	570110	50.514	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	361052	52.141	ug/l	97
56) Ethyl methacrylate	10.757	69	632579	55.940	ug/l	90
57) 1,3-Dichloropropane	11.039	76	649336	52.243	ug/l	99
59) 2-Hexanone	11.081	43	2472249	304.575	ug/l	100
60) Dibromochloromethane	11.233	129	371054	53.931	ug/l	99
61) 1,2-Dibromoethane	11.339	107	361786	51.121	ug/l	98
64) Tetrachloroethene	10.975	164	274612	45.957	ug/l	97
65) Chlorobenzene	11.763	112	944268	51.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	348829	51.704	ug/l	99
67) Ethyl Benzene	11.839	91	1715835	52.742	ug/l	97
68) m/p-Xylenes	11.951	106	1272461	106.917	ug/l	98
69) o-Xylene	12.275	106	640884	53.721	ug/l	96
70) Styrene	12.286	104	1046891	56.690	ug/l	97
71) Bromoform	12.451	173	281807	55.002	ug/l #	99
73) Isopropylbenzene	12.575	105	1668389	47.815	ug/l	99
74) N-amyl acetate	12.380	43	662355	50.487	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	578910	56.147	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	445775m	50.862	ug/l	
77) Bromobenzene	12.857	156	385651	47.398	ug/l	80
78) n-propylbenzene	12.916	91	1856459	49.582	ug/l	97
79) 2-Chlorotoluene	13.004	91	1157565	48.162	ug/l	93
80) 1,3,5-Trimethylbenzene	13.057	105	1326983	48.883	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	165327	49.375	ug/l	91
82) 4-Chlorotoluene	13.098	91	1080538	50.472	ug/l	94
83) tert-Butylbenzene	13.316	119	1228633	50.715	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1309918	50.378	ug/l	99
85) sec-Butylbenzene	13.498	105	1649823	51.236	ug/l	99
86) p-Isopropyltoluene	13.610	119	1320864	52.159	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	644683	48.765	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	622810	48.195	ug/l	98
89) n-Butylbenzene	13.939	91	1019628	51.479	ug/l	97
90) Hexachloroethane	14.204	117	248548	49.355	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	632629	49.774	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	108214	53.303	ug/l	86
93) 1,2,4-Trichlorobenzene	15.257	180	299968	50.534	ug/l	98
94) Hexachlorobutadiene	15.363	225	169555	47.520	ug/l	99
95) Naphthalene	15.504	128	970016	57.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	306579	53.734	ug/l	99

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

