

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069480.D
 Acq On : 12 Nov 2021 20:32
 Operator : JC/MD
 Sample : M4676-04MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-2D-20211111MSD

Quant Time: Nov 15 03:32:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	968109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1642773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1565637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	693019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	762806	54.342	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.680%			
35) Dibromofluoromethane	8.021	113	544738	55.288	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.580%			
50) Toluene-d8	10.443	98	2113777	54.549	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.100%			
62) 4-Bromofluorobenzene	12.731	95	783371	55.030	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	512602	49.561	ug/l	100
3) Chloromethane	2.301	50	578443	48.225	ug/l	99
4) Vinyl Chloride	2.443	62	577675	48.099	ug/l	99
5) Bromomethane	2.832	94	348882	44.728	ug/l	98
6) Chloroethane	3.006	64	381833	47.101	ug/l	97
7) Trichlorofluoromethane	3.365	101	868963	46.814	ug/l	98
8) Diethyl Ether	3.821	74	334829	55.753	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.199	101	416659	47.653	ug/l	94
10) Methyl Iodide	4.414	142	551878	51.460	ug/l	98
11) Tert butyl alcohol	5.390	59	704001	278.325	ug/l	99
12) 1,1-Dichloroethene	4.173	96	380726	48.522	ug/l	91
13) Acrolein	4.038	56	90673	253.229	ug/l	98
14) Allyl chloride	4.835	41	870908	50.202	ug/l	95
15) Acrylonitrile	5.556	53	1823931	281.583	ug/l	99
16) Acetone	4.288	43	1678507	221.626	ug/l	98
17) Carbon Disulfide	4.521	76	802713	43.279	ug/l	99
18) Methyl Acetate	4.856	43	1252141	50.860	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	1763971	53.120	ug/l	95
20) Methylene Chloride	5.090	84	516302	48.075	ug/l	87
21) trans-1,2-Dichloroethene	5.591	96	433161	49.425	ug/l	89
22) Diisopropyl ether	6.498	45	1979055	52.959	ug/l	95
23) Vinyl Acetate	6.436	43	7493824	259.277	ug/l	96
24) 1,1-Dichloroethane	6.385	63	966936	50.801	ug/l	98
25) 2-Butanone	7.340	43	2813221	274.320	ug/l	93
26) 2,2-Dichloropropane	7.327	77	681093	45.735	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	562500	51.776	ug/l	89
28) Bromochloromethane	7.659	49	495660	50.851	ug/l #	81
29) Tetrahydrofuran	7.689	42	1840149	292.393	ug/l	91
30) Chloroform	7.817	83	1028696	52.718	ug/l	99
31) Cyclohexane	8.094	56	875685	45.663	ug/l	91
32) 1,1,1-Trichloroethane	8.016	97	853060	52.374	ug/l	96
36) 1,1-Dichloropropene	8.222	75	693810	50.193	ug/l	97
37) Ethyl Acetate	7.415	43	1060740	56.768	ug/l	95
38) Carbon Tetrachloride	8.206	117	689637	51.677	ug/l	99
39) Methylcyclohexane	9.461	83	825360	47.999	ug/l	92
40) Benzene	8.461	78	2202440	51.620	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	530519	54.947	ug/l	91
42) 1,2-Dichloroethane	8.531	62	874227	52.329	ug/l	97
43) Isopropyl Acetate	8.563	43	1636332	54.521	ug/l	94
44) Trichloroethene	9.217	130	518883	50.815	ug/l	92
45) 1,2-Dichloropropane	9.491	63	607721	53.312	ug/l	99
46) Dibromomethane	9.579	93	400755	52.487	ug/l	92
47) Bromodichloromethane	9.765	83	749539	52.607	ug/l	98
48) Methyl methacrylate	9.561	41	776739	55.008	ug/l	91
49) 1,4-Dioxane	9.571	88	304906	1086.089	ug/l #	86
51) 4-Methyl-2-Pentanone	10.333	43	5721273	295.327	ug/l	96
52) Toluene	10.505	92	1519800	57.177	ug/l	98
53) t-1,3-Dichloropropene	10.722	75	798169	45.796	ug/l	96
54) cis-1,3-Dichloropropene	10.191	75	861791	46.798	ug/l	90
55) 1,1,2-Trichloroethane	10.899	97	586409	54.729	ug/l	99
56) Ethyl methacrylate	10.762	69	1002339	49.654	ug/l	87
57) 1,3-Dichloropropane	11.046	76	1003278	53.286	ug/l	100
59) 2-Hexanone	11.087	43	4283341	261.488	ug/l	94
60) Dibromochloromethane	11.240	129	556019	47.411	ug/l	99
61) 1,2-Dibromoethane	11.347	107	594737	49.735	ug/l	99
64) Tetrachloroethene	10.979	164	453043	47.923	ug/l	95
65) Chlorobenzene	11.771	112	1500383	51.486	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	545424	53.960	ug/l	99
67) Ethyl Benzene	11.846	91	2779227	51.709	ug/l	97
68) m/p-Xylenes	11.953	106	2051615	103.788	ug/l	95
69) o-Xylene	12.280	106	1031706	52.353	ug/l	93
70) Styrene	12.296	104	1708202	48.330	ug/l	96
71) Bromoform	12.460	173	401208	46.006	ug/l #	99
73) Isopropylbenzene	12.581	105	2741608	49.686	ug/l	98
74) N-amyl acetate	12.387	43	1276933	54.606	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	975555	52.420	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	863833m	54.012	ug/l	
77) Bromobenzene	12.862	156	641756	50.854	ug/l	81
78) n-propylbenzene	12.921	91	3096471	49.872	ug/l	96
79) 2-Chlorotoluene	13.010	91	1889820	49.159	ug/l	95
80) 1,3,5-Trimethylbenzene	13.061	105	2212552	49.600	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	241627	45.554	ug/l	91
82) 4-Chlorotoluene	13.106	91	1824789	49.794	ug/l	93
83) tert-Butylbenzene	13.323	119	1990316	50.916	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	2177969	50.575	ug/l	98
85) sec-Butylbenzene	13.503	105	2742395	50.222	ug/l	98
86) p-Isopropyltoluene	13.616	119	2179420	50.277	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1099110	50.236	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1074664	50.069	ug/l	98
89) n-Butylbenzene	13.943	91	1759611	48.677	ug/l	98
90) Hexachloroethane	14.211	117	361036	45.514	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1105258	53.089	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	184373	53.169	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	499385	46.042	ug/l	98
94) Hexachlorobutadiene	15.370	225	260124	48.087	ug/l	99
95) Naphthalene	15.507	128	1606767	52.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	517687	49.652	ug/l	99

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

