

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069509.D
 Acq On : 16 Nov 2021 15:28
 Operator : JC/MD
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 00:53:48 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1050644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1785554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1642556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	667661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	772217	50.691	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.380%			
35) Dibromofluoromethane	8.021	113	543536	50.755	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.520%			
50) Toluene-d8	10.443	98	2114973	50.215	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.731	95	728024	47.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	206720	18.417	ug/l	99
3) Chloromethane	2.306	50	232630	17.871	ug/l	99
4) Vinyl Chloride	2.445	62	237956	18.256	ug/l	98
5) Bromomethane	2.861	94	148127	17.499	ug/l	97
6) Chloroethane	3.025	64	156306	17.767	ug/l	97
7) Trichlorofluoromethane	3.376	101	352208	17.484	ug/l	95
8) Diethyl Ether	3.827	74	122816	18.844	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.210	101	181022	19.077	ug/l	93
10) Methyl Iodide	4.419	142	213833	18.373	ug/l	97
11) Tert butyl alcohol	5.382	59	242513	88.345	ug/l #	85
12) 1,1-Dichloroethene	4.178	96	156951	18.431	ug/l	88
13) Acrolein	4.044	56	26843	64.139	ug/l	99
14) Allyl chloride	4.840	41	341722	18.151	ug/l	93
15) Acrylonitrile	5.554	53	699922	99.567	ug/l	100
16) Acetone	4.291	43	715018	86.993	ug/l	97
17) Carbon Disulfide	4.527	76	285380	14.178	ug/l	99
18) Methyl Acetate	4.857	43	514040	19.239	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	708710	19.666	ug/l	99
20) Methylene Chloride	5.098	84	217505	18.662	ug/l	86
21) trans-1,2-Dichloroethene	5.602	96	176086	18.514	ug/l	92
22) Diisopropyl ether	6.498	45	818153	20.174	ug/l	95
23) Vinyl Acetate	6.436	43	3038574	96.872	ug/l	96
24) 1,1-Dichloroethane	6.388	63	404829	19.598	ug/l	98
25) 2-Butanone	7.337	43	1049928	94.337	ug/l	92
26) 2,2-Dichloropropane	7.327	77	281836	17.438	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	230839	19.579	ug/l	89
28) Bromochloromethane	7.657	49	221198	20.910	ug/l #	81
29) Tetrahydrofuran	7.689	42	681740	99.816	ug/l	90
30) Chloroform	7.817	83	421229	19.891	ug/l	98
31) Cyclohexane	8.094	56	371167	17.834	ug/l	90
32) 1,1,1-Trichloroethane	8.016	97	340404	19.258	ug/l	95
36) 1,1-Dichloropropene	8.222	75	283117	18.844	ug/l	97
37) Ethyl Acetate	7.415	43	421208	20.739	ug/l	95
38) Carbon Tetrachloride	8.206	117	267840	18.465	ug/l	99
39) Methylcyclohexane	9.461	83	328127	17.556	ug/l	93
40) Benzene	8.461	78	907231	19.563	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	194309	18.516	ug/l	93
42) 1,2-Dichloroethane	8.531	62	372621	20.520	ug/l	98
43) Isopropyl Acetate	8.560	43	637637	19.546	ug/l	94
44) Trichloroethene	9.217	130	214517	19.328	ug/l	92
45) 1,2-Dichloropropane	9.491	63	249273	20.119	ug/l	99
46) Dibromomethane	9.577	93	160285	19.314	ug/l	92
47) Bromodichloromethane	9.762	83	296173	19.125	ug/l	98
48) Methyl methacrylate	9.561	41	286283	18.653	ug/l	93
49) 1,4-Dioxane	9.569	88	104394	368.876	ug/l	90
51) 4-Methyl-2-Pentanone	10.330	43	2130108	101.162	ug/l	95
52) Toluene	10.505	92	562056	19.454	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	290605	17.095	ug/l	96
54) cis-1,3-Dichloropropene	10.188	75	328699	17.547	ug/l #	88
55) 1,1,2-Trichloroethane	10.896	97	234840	20.165	ug/l	98
56) Ethyl methacrylate	10.762	69	369306	18.189	ug/l	88
57) 1,3-Dichloropropane	11.047	76	404670	19.774	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	392281	85.952	ug/l	93
59) 2-Hexanone	11.087	43	1495052	89.362	ug/l	93
60) Dibromochloromethane	11.237	129	199686	17.284	ug/l	99
61) 1,2-Dibromoethane	11.347	107	230032	18.388	ug/l	100
64) Tetrachloroethene	10.977	164	190682	19.226	ug/l	94
65) Chlorobenzene	11.771	112	598330	19.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	210208	19.822	ug/l	98
67) Ethyl Benzene	11.843	91	1083214	19.210	ug/l	97
68) m/p-Xylenes	11.953	106	785515	37.877	ug/l	93
69) o-Xylene	12.280	106	401796	19.434	ug/l	94
70) Styrene	12.294	104	629761	17.970	ug/l	96
71) Bromoform	12.460	173	130744	16.653	ug/l #	100
73) Isopropylbenzene	12.578	105	1038492	19.535	ug/l	99
74) N-amyl acetate	12.390	43	415205	18.430	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	369719	20.621	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	310147m	20.129	ug/l	
77) Bromobenzene	12.860	156	240757	19.803	ug/l	81
78) n-propylbenzene	12.921	91	1161894	19.424	ug/l	96
79) 2-Chlorotoluene	13.007	91	720643	19.458	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	845802	19.681	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	69186	17.606	ug/l #	80
82) 4-Chlorotoluene	13.106	91	668777	18.942	ug/l	94
83) tert-Butylbenzene	13.324	119	751817	19.963	ug/l	95
84) 1,2,4-Trimethylbenzene	13.369	105	807063	19.453	ug/l	99
85) sec-Butylbenzene	13.501	105	1016815	19.328	ug/l	98
86) p-Isopropyltoluene	13.616	119	785938	18.819	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	404955	19.212	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	386437	18.688	ug/l	96
89) n-Butylbenzene	13.943	91	598563	17.187	ug/l	98
90) Hexachloroethane	14.211	117	125103	17.755	ug/l	83
91) 1,2-Dichlorobenzene	13.989	146	399917	19.939	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	56027	18.001	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	154430	16.893	ug/l	97
94) Hexachlorobutadiene	15.370	225	100287	19.243	ug/l	98
95) Naphthalene	15.507	128	388744	16.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	154609	17.579	ug/l	99

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

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