

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069486.D
 Acq On : 15 Nov 2021 12:07
 Operator : JC/MD
 Sample : VN1115WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 16 00:48:09 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	1075771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1766420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1615619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	700761	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	790051	50.650	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.300%	
35) Dibromofluoromethane	8.021	113	552221	52.125	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.240%	
50) Toluene-d8	10.440	98	2152770	51.666	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.731	95	749991	48.997	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.073	85	224476	19.532	ug/l	100
3) Chloromethane	2.303	50	236909	17.774	ug/l	100
4) Vinyl Chloride	2.448	62	245291	18.380	ug/l	98
5) Bromomethane	2.864	94	153822	17.747	ug/l	97
6) Chloroethane	3.025	64	154425	17.143	ug/l	100
7) Trichlorofluoromethane	3.379	101	373149	18.091	ug/l	97
8) Diethyl Ether	3.824	74	122821	18.405	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.208	101	190194	19.575	ug/l	95
10) Methyl Iodide	4.419	142	222620	18.681	ug/l	98
11) Tert butyl alcohol	5.372	59	230821	82.122	ug/l #	83
12) 1,1-Dichloroethene	4.178	96	164538	18.871	ug/l	88
13) Acrolein	4.039	56	23664	54.278	ug/l	89
14) Allyl chloride	4.840	41	361185	18.736	ug/l	96
15) Acrylonitrile	5.554	53	665106	92.405	ug/l	99
16) Acetone	4.285	43	774107	91.982	ug/l	96
17) Carbon Disulfide	4.529	76	344011	16.691	ug/l	97
18) Methyl Acetate	4.857	43	485179	17.735	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	718957	19.484	ug/l	98
20) Methylene Chloride	5.095	84	218943	18.346	ug/l	88
21) trans-1,2-Dichloroethene	5.599	96	182813	18.772	ug/l	89
22) Diisopropyl ether	6.498	45	823171	19.823	ug/l	96
23) Vinyl Acetate	6.434	43	3061266	95.316	ug/l	94
24) 1,1-Dichloroethane	6.383	63	412719	19.513	ug/l	98
25) 2-Butanone	7.337	43	1046127	91.800	ug/l	92
26) 2,2-Dichloropropane	7.324	77	319339	19.297	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	236511	19.591	ug/l	88
28) Bromochloromethane	7.657	49	215282	19.876	ug/l #	80
29) Tetrahydrofuran	7.686	42	642511	91.875	ug/l	89
30) Chloroform	7.817	83	433889	20.010	ug/l	99
31) Cyclohexane	8.094	56	395651	18.567	ug/l	92
32) 1,1,1-Trichloroethane	8.013	97	357108	19.731	ug/l	97
36) 1,1-Dichloropropene	8.220	75	299308	20.137	ug/l	96
37) Ethyl Acetate	7.412	43	382967	19.061	ug/l	95
38) Carbon Tetrachloride	8.206	117	286372	19.957	ug/l	99
39) Methylcyclohexane	9.459	83	358416	19.385	ug/l	91
40) Benzene	8.461	78	934068	20.360	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	187718	18.082	ug/l	92
42) 1,2-Dichloroethane	8.531	62	365212	20.330	ug/l	97
43) Isopropyl Acetate	8.560	43	625562	19.384	ug/l	93
44) Trichloroethene	9.217	130	225954	20.579	ug/l	91
45) 1,2-Dichloropropane	9.488	63	252381	20.590	ug/l	100
46) Dibromomethane	9.577	93	162982	19.852	ug/l	92
47) Bromodichloromethane	9.762	83	314034	20.498	ug/l	98
48) Methyl methacrylate	9.561	41	299291	19.712	ug/l	87
49) 1,4-Dioxane	9.566	88	97571	350.659	ug/l #	90
51) 4-Methyl-2-Pentanone	10.330	43	2005846	96.292	ug/l	95
52) Toluene	10.505	92	576635	20.175	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	307684	18.110	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	351961	18.850	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	232985	20.222	ug/l	98
56) Ethyl methacrylate	10.760	69	365431	18.193	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	406711	20.089	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	356661	80.837	ug/l	93
59) 2-Hexanone	11.084	43	1417048	85.950	ug/l	93
60) Dibromochloromethane	11.237	129	214518	18.561	ug/l	99
61) 1,2-Dibromoethane	11.344	107	231308	18.673	ug/l	99
64) Tetrachloroethene	10.977	164	205705	21.086	ug/l	93
65) Chlorobenzene	11.771	112	610083	20.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	216665	20.772	ug/l	99
67) Ethyl Benzene	11.846	91	1126181	20.305	ug/l	95
68) m/p-Xylenes	11.953	106	833020	40.837	ug/l	94
69) o-Xylene	12.280	106	413037	20.311	ug/l	93
70) Styrene	12.294	104	658372	19.004	ug/l	96
71) Bromoform	12.457	173	141344	17.964	ug/l #	99
73) Isopropylbenzene	12.578	105	1098748	19.692	ug/l	98
74) N-amyl acetate	12.390	43	414173	17.516	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	361847	19.229	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	322026m	19.913	ug/l	
77) Bromobenzene	12.860	156	247952	19.431	ug/l	82
78) n-propylbenzene	12.919	91	1237669	19.714	ug/l	96
79) 2-Chlorotoluene	13.007	91	760762	19.571	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	895424	19.852	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	75010	17.996	ug/l #	84
82) 4-Chlorotoluene	13.106	91	725582	19.580	ug/l	94
83) tert-Butylbenzene	13.324	119	790518	19.999	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	850178	19.524	ug/l	99
85) sec-Butylbenzene	13.503	105	1095672	19.843	ug/l	98
86) p-Isopropyltoluene	13.616	119	865748	19.751	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	434214	19.627	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	422920	19.486	ug/l	97
89) n-Butylbenzene	13.943	91	682768	18.679	ug/l	97
90) Hexachloroethane	14.211	117	132601	17.909	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	422663	20.078	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	55913	17.204	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	168283	17.420	ug/l	98
94) Hexachlorobutadiene	15.370	225	111071	20.306	ug/l	99
95) Naphthalene	15.507	128	395629	16.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	165098	17.830	ug/l	99

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

