

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069908.D
 Acq On : 9 Dec 2021 13:48
 Operator : JC/MD
 Sample : VN1209WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 06:13:45 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	985653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1606118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1462378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	603800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	792348	52.065	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.120%			
35) Dibromofluoromethane	8.021	113	545382	54.211	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.420%			
50) Toluene-d8	10.440	98	2079740	51.484	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.731	95	727927	49.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	224267	19.508	ug/l	99
3) Chloromethane	2.303	50	272139	18.895	ug/l	99
4) Vinyl Chloride	2.448	62	253924	19.174	ug/l	100
5) Bromomethane	2.856	94	148998	20.709	ug/l	99
6) Chloroethane	3.022	64	155380	19.147	ug/l	99
7) Trichlorofluoromethane	3.379	101	343418	19.758	ug/l	98
8) Diethyl Ether	3.824	74	139507	20.840	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.207	101	205482	21.090	ug/l	95
10) Methyl Iodide	4.425	142	252717	18.987	ug/l	97
11) Tert butyl alcohol	5.371	59	236746	82.299	ug/l	99
12) 1,1-Dichloroethene	4.181	96	185493	19.757	ug/l	88
13) Acrolein	4.041	56	252338	103.006	ug/l	98
14) Allyl chloride	4.843	41	438221	20.714	ug/l #	92
15) Acrylonitrile	5.554	53	739915	95.453	ug/l	99
16) Acetone	4.288	43	866589	94.661	ug/l	97
17) Carbon Disulfide	4.529	76	502045	20.698	ug/l	99
18) Methyl Acetate	4.854	43	541841	19.609	ug/l	90
19) Methyl tert-butyl Ether	5.616	73	745789	20.429	ug/l	96
20) Methylene Chloride	5.095	84	241189	19.818	ug/l #	85
21) trans-1,2-Dichloroethene	5.599	96	199605	19.574	ug/l #	84
22) Diisopropyl ether	6.498	45	878244	21.239	ug/l	95
23) Vinyl Acetate	6.434	43	3597012	106.922	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	446255	20.833	ug/l	98
25) 2-Butanone	7.335	43	1124664	90.418	ug/l	91
26) 2,2-Dichloropropane	7.327	77	347610	20.872	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	245783	19.949	ug/l	85
28) Bromochloromethane	7.659	49	239811	21.529	ug/l #	77
29) Tetrahydrofuran	7.686	42	709668	93.959	ug/l	87
30) Chloroform	7.817	83	446552	20.642	ug/l	99
31) Cyclohexane	8.094	56	421514	19.903	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	380137	20.629	ug/l	95
36) 1,1-Dichloropropene	8.220	75	315848	20.657	ug/l	97
37) Ethyl Acetate	7.412	43	431606	18.966	ug/l	95
38) Carbon Tetrachloride	8.206	117	328731	21.925	ug/l	99
39) Methylcyclohexane	9.459	83	368466	20.260	ug/l	90
40) Benzene	8.458	78	955822	20.452	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	227680	21.313	ug/l #	86
42) 1,2-Dichloroethane	8.531	62	388245	20.579	ug/l	97
43) Isopropyl Acetate	8.560	43	697379	20.708	ug/l #	92
44) Trichloroethene	9.215	130	223762	20.060	ug/l	93
45) 1,2-Dichloropropane	9.488	63	262996	20.956	ug/l	99
46) Dibromomethane	9.577	93	174563	21.209	ug/l	92
47) Bromodichloromethane	9.762	83	361400	23.191	ug/l	99
48) Methyl methacrylate	9.558	41	315529	20.077	ug/l	85
49) 1,4-Dioxane	9.571	88	92046	326.413	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	2189742	100.232	ug/l	94
52) Toluene	10.505	92	582392	20.412	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	363747	21.114	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	392297	21.142	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	236816	20.571	ug/l	98
56) Ethyl methacrylate	10.760	69	383949	19.149	ug/l #	84
57) 1,3-Dichloropropane	11.044	76	423445	20.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	410273	83.186	ug/l	91
59) 2-Hexanone	11.084	43	1550805	93.838	ug/l	92
60) Dibromochloromethane	11.237	129	256891	22.213	ug/l	99
61) 1,2-Dibromoethane	11.344	107	243033	20.382	ug/l	100
64) Tetrachloroethene	10.977	164	198326	20.001	ug/l	94
65) Chlorobenzene	11.768	112	610775	20.588	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	233051	22.319	ug/l	99
67) Ethyl Benzene	11.843	91	1121350	20.808	ug/l	96
68) m/p-Xylenes	11.953	106	823795	41.984	ug/l	92
69) o-Xylene	12.280	106	407928	20.639	ug/l	92
70) Styrene	12.294	104	659154	21.032	ug/l	96
71) Bromoform	12.457	173	188089	22.641	ug/l #	100
73) Isopropylbenzene	12.578	105	1062604	19.780	ug/l	98
74) N-amyl acetate	12.387	43	452619	19.051	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	378129	20.355	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	318997m	18.423	ug/l	
77) Bromobenzene	12.860	156	248572	19.699	ug/l	78
78) n-propylbenzene	12.921	91	1214995	20.324	ug/l	96
79) 2-Chlorotoluene	13.007	91	744948	19.722	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	875478	20.247	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	100665	21.542	ug/l	93
82) 4-Chlorotoluene	13.104	91	721811	20.319	ug/l	93
83) tert-Butylbenzene	13.323	119	745591	19.474	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	851590	20.680	ug/l	98
85) sec-Butylbenzene	13.501	105	1031771	19.867	ug/l	98
86) p-Isopropyltoluene	13.616	119	819652	20.192	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	416273	20.081	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	401369	19.702	ug/l	96
89) n-Butylbenzene	13.943	91	650928	19.767	ug/l	98
90) Hexachloroethane	14.209	117	164392	23.066	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	406254	20.113	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	67589	20.135	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	171821	19.224	ug/l	99
94) Hexachlorobutadiene	15.370	225	119731	22.367	ug/l	99
95) Naphthalene	15.507	128	424872	17.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	166908	18.881	ug/l	98

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

