

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070109.D
 Acq On : 15 Dec 2021 14:11
 Operator : JC/MD
 Sample : VN1215WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Amit Patel 12/16/2021

Quant Time: Dec 16 05:38:34 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	888155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1433315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1303927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	544706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	699887	51.038	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.080%			
35) Dibromofluoromethane	8.019	113	468389	52.171	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.340%			
50) Toluene-d8	10.440	98	1798981	49.903	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.731	95	642237	49.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	173616	16.760	ug/l	99
3) Chloromethane	2.303	50	222181	17.120	ug/l	98
4) Vinyl Chloride	2.448	62	201311	16.870	ug/l	100
5) Bromomethane	2.850	94	116326	17.943	ug/l	98
6) Chloroethane	3.019	64	123650	16.909	ug/l	96
7) Trichlorofluoromethane	3.376	101	262093	16.735	ug/l	99
8) Diethyl Ether	3.821	74	119233	19.767	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.208	101	167568	19.087	ug/l	97
10) Methyl Iodide	4.419	142	215730	17.987	ug/l	99
11) Tert butyl alcohol	5.380	59	218907	84.451	ug/l	98
12) 1,1-Dichloroethene	4.181	96	150196	17.754	ug/l	88
13) Acrolein	4.041	56	160089	72.523	ug/l	97
14) Allyl chloride	4.840	41	357854	18.772	ug/l #	92
15) Acrylonitrile	5.554	53	646513	92.560	ug/l	99
16) Acetone	4.288	43	765779	92.832	ug/l	95
17) Carbon Disulfide	4.527	76	334146	15.288	ug/l	99
18) Methyl Acetate	4.854	43	464279	18.646	ug/l #	70
19) Methyl tert-butyl Ether	5.618	73	658040	20.004	ug/l	97
20) Methylene Chloride	5.090	84	201586	18.383	ug/l	88
21) trans-1,2-Dichloroethene	5.599	96	165250	17.984	ug/l #	82
22) Diisopropyl ether	6.495	45	769175	20.643	ug/l	96
23) Vinyl Acetate	6.434	43	3017291	99.535	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	374448	19.400	ug/l	99
25) 2-Butanone	7.337	43	1006446	89.796	ug/l	90
26) 2,2-Dichloropropane	7.324	77	277851	18.515	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	208376	18.769	ug/l	85
28) Bromochloromethane	7.657	49	173195	17.256	ug/l #	76
29) Tetrahydrofuran	7.686	42	617777	90.772	ug/l	87
30) Chloroform	7.817	83	375726	19.275	ug/l	99
31) Cyclohexane	8.094	56	353090	18.502	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	303013	18.249	ug/l	95
36) 1,1-Dichloropropene	8.222	75	261927	19.196	ug/l	95
37) Ethyl Acetate	7.412	43	382520	18.836	ug/l #	94
38) Carbon Tetrachloride	8.206	117	237225	17.729	ug/l	98
39) Methylcyclohexane	9.459	83	304542	18.764	ug/l	87
40) Benzene	8.458	78	814128	19.520	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	187302	19.647	ug/l	90
42) 1,2-Dichloroethane	8.528	62	333474	19.807	ug/l	97
43) Isopropyl Acetate	8.560	43	594389	19.778	ug/l #	93
44) Trichloroethene	9.215	130	186774	18.763	ug/l	90
45) 1,2-Dichloropropane	9.491	63	225531	20.137	ug/l	99
46) Dibromomethane	9.577	93	141396	19.250	ug/l	93
47) Bromodichloromethane	9.759	83	275052	19.778	ug/l	98
48) Methyl methacrylate	9.558	41	272012	19.395	ug/l	83
49) 1,4-Dioxane	9.569	88	91227	362.511	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	1915393	98.244	ug/l	94
52) Toluene	10.505	92	500168	19.643	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	285057	18.882	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	312433	19.083	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	206555	20.105	ug/l	98
56) Ethyl methacrylate	10.762	69	332589	18.654	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	368739	20.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	378514	85.378	ug/l	90
59) 2-Hexanone	11.084	43	1375510	93.265	ug/l	93
60) Dibromochloromethane	11.237	129	184450	18.336	ug/l	100
61) 1,2-Dibromoethane	11.344	107	202437	19.024	ug/l	100
64) Tetrachloroethene	10.977	164	168209	19.025	ug/l	95
65) Chlorobenzene	11.771	112	516688	19.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	180103	19.344	ug/l	99
67) Ethyl Benzene	11.843	91	963232	20.046	ug/l	95
68) m/p-Xylenes	11.953	106	699618	39.988	ug/l	92
69) o-Xylene	12.280	106	346599	19.667	ug/l	90
70) Styrene	12.294	104	556349	19.909	ug/l	95
71) Bromoform	12.457	173	124803	17.547	ug/l #	100
73) Isopropylbenzene	12.578	105	916860	18.919	ug/l	97
74) N-amyl acetate	12.388	43	389019	18.151	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	320273	19.111	ug/l	97
76) 1,2,3-Trichloropropane	12.878	75	298559m	19.113	ug/l	
77) Bromobenzene	12.860	156	210468	18.489	ug/l	76
78) n-propylbenzene	12.921	91	1037336	19.235	ug/l	95
79) 2-Chlorotoluene	13.007	91	647472	19.001	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	742183	19.027	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	71327	17.791	ug/l	86
82) 4-Chlorotoluene	13.104	91	618564	19.302	ug/l	92
83) tert-Butylbenzene	13.324	119	638311	18.480	ug/l	91
84) 1,2,4-Trimethylbenzene	13.366	105	715062	19.248	ug/l	97
85) sec-Butylbenzene	13.501	105	889060	18.977	ug/l	97
86) p-Isopropyltoluene	13.616	119	701076	19.144	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	358375	19.163	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	350321	19.062	ug/l	96
89) n-Butylbenzene	13.943	91	559559	18.836	ug/l	97
90) Hexachloroethane	14.209	117	105505	16.409	ug/l	89
91) 1,2-Dichlorobenzene	13.989	146	348600	19.131	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	50780	16.768	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	152894	19.001	ug/l	97
94) Hexachlorobutadiene	15.367	225	97937	20.281	ug/l	100
95) Naphthalene	15.504	128	397621	17.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	150207	18.841	ug/l	98

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

