

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069960.D
 Acq On : 10 Dec 2021 15:59
 Operator : JC/MD
 Sample : VN1210WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 11 05:19:49 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	946930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1505144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1380363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	576495	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	707491	48.390	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.780%
35) Dibromofluoromethane	8.021	113	492383	52.226	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.460%
50) Toluene-d8	10.440	98	1856084	49.030	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.731	95	649385	47.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.700%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.073	85	204782	18.542	ug/l	98
3) Chloromethane	2.303	50	244722	17.686	ug/l	99
4) Vinyl Chloride	2.448	62	226908	17.835	ug/l	99
5) Bromomethane	2.858	94	130553	18.888	ug/l	98
6) Chloroethane	3.022	64	136590	17.520	ug/l	94
7) Trichlorofluoromethane	3.376	101	313018	18.746	ug/l	100
8) Diethyl Ether	3.824	74	123017	19.128	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.207	101	186606	19.936	ug/l	95
10) Methyl Iodide	4.419	142	222291	17.384	ug/l	98
11) Tert butyl alcohol	5.379	59	231370	83.719	ug/l	100
12) 1,1-Dichloroethene	4.181	96	164412	18.228	ug/l	86
13) Acrolein	4.041	56	212782	90.411	ug/l	99
14) Allyl chloride	4.840	41	399317	19.647	ug/l	93
15) Acrylonitrile	5.554	53	675045	90.646	ug/l	99
16) Acetone	4.288	43	800905	91.064	ug/l	97
17) Carbon Disulfide	4.527	76	465661	19.983	ug/l	98
18) Methyl Acetate	4.856	43	484476	18.250	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	668291	19.055	ug/l	96
20) Methylene Chloride	5.095	84	214045	18.307	ug/l #	83
21) trans-1,2-Dichloroethene	5.597	96	181041	18.479	ug/l	88
22) Diisopropyl ether	6.498	45	798297	20.095	ug/l #	95
23) Vinyl Acetate	6.436	43	3248807	100.520	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	404108	19.637	ug/l	97
25) 2-Butanone	7.337	43	1038766	86.927	ug/l	92
26) 2,2-Dichloropropane	7.327	77	323005	20.187	ug/l	95
27) cis-1,2-Dichloroethene	7.327	96	220258	18.608	ug/l	84
28) Bromochloromethane	7.659	49	173980	16.258	ug/l #	77
29) Tetrahydrofuran	7.686	42	639970	88.196	ug/l	87
30) Chloroform	7.817	83	410113	19.733	ug/l	97
31) Cyclohexane	8.096	56	380430	18.697	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	343671	19.413	ug/l	94
36) 1,1-Dichloropropene	8.222	75	284184	19.833	ug/l	96
37) Ethyl Acetate	7.415	43	399035	18.711	ug/l #	95
38) Carbon Tetrachloride	8.206	117	299055	21.284	ug/l	99
39) Methylcyclohexane	9.459	83	333382	19.561	ug/l	87
40) Benzene	8.458	78	865754	19.768	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	190675	19.046	ug/l	90
42) 1,2-Dichloroethane	8.531	62	357111	20.199	ug/l	96
43) Isopropyl Acetate	8.563	43	630015	19.963	ug/l #	92
44) Trichloroethene	9.215	130	201503	19.276	ug/l	92
45) 1,2-Dichloropropane	9.491	63	241467	20.531	ug/l	97
46) Dibromomethane	9.579	93	157000	20.355	ug/l	93
47) Bromodichloromethane	9.762	83	327236	22.407	ug/l	98
48) Methyl methacrylate	9.561	41	283705	19.263	ug/l	86
49) 1,4-Dioxane	9.569	88	95572	361.653	ug/l #	87
51) 4-Methyl-2-Pentanone	10.330	43	1995852	97.485	ug/l	94
52) Toluene	10.505	92	520979	19.484	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	331212	20.594	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	357575	20.618	ug/l #	86
55) 1,1,2-Trichloroethane	10.896	97	217577	20.168	ug/l	99
56) Ethyl methacrylate	10.762	69	349997	18.689	ug/l #	84
57) 1,3-Dichloropropane	11.044	76	378729	19.937	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	416390	88.564	ug/l	90
59) 2-Hexanone	11.084	43	1432263	92.479	ug/l	92
60) Dibromochloromethane	11.237	129	234873	21.729	ug/l	100
61) 1,2-Dibromoethane	11.347	107	215992	19.329	ug/l	99
64) Tetrachloroethene	10.979	164	174377	18.630	ug/l	96
65) Chlorobenzene	11.771	112	550759	19.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	216186	21.934	ug/l	98
67) Ethyl Benzene	11.843	91	1013762	19.929	ug/l	95
68) m/p-Xylenes	11.953	106	746277	40.293	ug/l	93
69) o-Xylene	12.280	106	366456	19.643	ug/l	92
70) Styrene	12.296	104	597111	20.184	ug/l	95
71) Bromoform	12.460	173	177303	22.614	ug/l #	100
73) Isopropylbenzene	12.581	105	965807	18.830	ug/l	98
74) N-amyl acetate	12.390	43	427807	18.860	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	342197	19.293	ug/l	100
76) 1,2,3-Trichloropropane	12.881	75	277123m	16.762	ug/l	
77) Bromobenzene	12.862	156	224377	18.624	ug/l	78
78) n-propylbenzene	12.921	91	1103605	19.336	ug/l	95
79) 2-Chlorotoluene	13.007	91	684392	18.977	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	783632	18.982	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	97206	21.741	ug/l	95
82) 4-Chlorotoluene	13.106	91	647942	19.104	ug/l	92
83) tert-Butylbenzene	13.323	119	666279	18.226	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	771060	19.611	ug/l	98
85) sec-Butylbenzene	13.503	105	951331	19.186	ug/l	98
86) p-Isopropyltoluene	13.616	119	745029	19.223	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	384574	19.430	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	374977	19.278	ug/l	96
89) n-Butylbenzene	13.943	91	606818	19.301	ug/l	97
90) Hexachloroethane	14.211	117	156542	23.005	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	368061	19.086	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	64745	20.201	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	169296	19.747	ug/l	99
94) Hexachlorobutadiene	15.370	225	108775	21.283	ug/l	99
95) Naphthalene	15.509	128	426067	17.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	161897	19.143	ug/l	97

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

