

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069855.D
 Acq On : 8 Dec 2021 12:35
 Operator : JC/MD
 Sample : VN1208WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 11:35:40 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	1078638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1732521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1600824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	659001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	827310	49.676	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.360%		
35) Dibromofluoromethane	8.021	113	563496	51.925	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.840%		
50) Toluene-d8	10.440	98	2251690	51.674	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.340%		
62) 4-Bromofluorobenzene	12.731	95	786120	49.798	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	246265	19.575	ug/l	100
3) Chloromethane	2.306	50	291990	18.526	ug/l	99
4) Vinyl Chloride	2.451	62	275556	19.014	ug/l	97
5) Bromomethane	2.861	94	160393	20.371	ug/l	98
6) Chloroethane	3.025	64	168964	19.026	ug/l	94
7) Trichlorofluoromethane	3.379	101	364320	19.154	ug/l	97
8) Diethyl Ether	3.827	74	139276	19.012	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.210	101	216655	20.320	ug/l	95
10) Methyl Iodide	4.422	142	263723	18.106	ug/l	97
11) Tert butyl alcohol	5.374	59	218636	69.451	ug/l	99
12) 1,1-Dichloroethene	4.181	96	193651	18.848	ug/l	90
13) Acrolein	4.041	56	291984	108.915	ug/l	99
14) Allyl chloride	4.843	41	430765	18.606	ug/l	94
15) Acrylonitrile	5.554	53	736513	86.824	ug/l	99
16) Acetone	4.288	43	872293	87.070	ug/l	94
17) Carbon Disulfide	4.529	76	481303	18.132	ug/l	100
18) Methyl Acetate	4.854	43	513274	16.974	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	759489	19.011	ug/l	96
20) Methylene Chloride	5.095	84	247820	18.608	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	208840	18.714	ug/l	86
22) Diisopropyl ether	6.495	45	902199	19.937	ug/l	97
23) Vinyl Acetate	6.434	43	3578015	97.188	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	456458	19.473	ug/l	98
25) 2-Butanone	7.335	43	1121488	82.390	ug/l #	89
26) 2,2-Dichloropropane	7.324	77	350239	19.217	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	252944	18.760	ug/l	84
28) Bromochloromethane	7.659	49	254889	20.910	ug/l #	76
29) Tetrahydrofuran	7.686	42	702237	84.960	ug/l	87
30) Chloroform	7.817	83	461688	19.502	ug/l	100
31) Cyclohexane	8.094	56	456687	19.704	ug/l	90
32) 1,1,1-Trichloroethane	8.013	97	387464	19.214	ug/l	95
36) 1,1-Dichloropropene	8.222	75	327452	19.854	ug/l	96
37) Ethyl Acetate	7.412	43	441212	17.974	ug/l #	95
38) Carbon Tetrachloride	8.206	117	320075	19.790	ug/l	99
39) Methylcyclohexane	9.462	83	392531	20.009	ug/l	90
40) Benzene	8.458	78	1006800	19.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	224744	19.503	ug/l #	87
42) 1,2-Dichloroethane	8.531	62	410342	20.164	ug/l	97
43) Isopropyl Acetate	8.560	43	668623	18.406	ug/l #	94
44) Trichloroethene	9.217	130	238490	19.820	ug/l	94
45) 1,2-Dichloropropane	9.488	63	275399	20.343	ug/l	100
46) Dibromomethane	9.577	93	176882	19.923	ug/l	92
47) Bromodichloromethane	9.759	83	339577	20.201	ug/l	98
48) Methyl methacrylate	9.561	41	334807	19.749	ug/l #	81
49) 1,4-Dioxane	9.566	88	90606	297.864	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	2141242	90.861	ug/l	95
52) Toluene	10.505	92	621233	20.184	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	344682	18.887	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	384642	19.399	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	247090	19.897	ug/l	98
56) Ethyl methacrylate	10.760	69	390068	18.168	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	433258	19.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	401306	77.146	ug/l	91
59) 2-Hexanone	11.084	43	1495426	83.885	ug/l	93
60) Dibromochloromethane	11.237	129	235537	19.237	ug/l	100
61) 1,2-Dibromoethane	11.344	107	245075	19.054	ug/l	99
64) Tetrachloroethene	10.977	164	226642	20.880	ug/l	96
65) Chlorobenzene	11.768	112	648346	19.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	229339	20.064	ug/l	99
67) Ethyl Benzene	11.843	91	1199939	20.341	ug/l	95
68) m/p-Xylenes	11.953	106	872013	40.598	ug/l	91
69) o-Xylene	12.280	106	424562	19.623	ug/l	88
70) Styrene	12.294	104	676156	19.709	ug/l	95
71) Bromoform	12.457	173	157156	17.928	ug/l #	99
73) Isopropylbenzene	12.578	105	1118967	19.084	ug/l	99
74) N-amyl acetate	12.388	43	423891	16.348	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	375429	18.517	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	321327m	17.003	ug/l	
77) Bromobenzene	12.860	156	260557	18.919	ug/l	79
78) n-propylbenzene	12.921	91	1271058	19.481	ug/l	96
79) 2-Chlorotoluene	13.007	91	796708	19.325	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	931296	19.734	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	81283	16.994	ug/l #	82
82) 4-Chlorotoluene	13.104	91	750038	19.345	ug/l	92
83) tert-Butylbenzene	13.324	119	791707	18.946	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	893893	19.889	ug/l	97
85) sec-Butylbenzene	13.501	105	1096024	19.337	ug/l	97
86) p-Isopropyltoluene	13.616	119	861547	19.446	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	433235	19.148	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	414967	18.663	ug/l	97
89) n-Butylbenzene	13.943	91	657552	18.296	ug/l	97
90) Hexachloroethane	14.211	117	142790	18.357	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	421927	19.140	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	58673	16.015	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	163160	17.100	ug/l	97
94) Hexachlorobutadiene	15.370	225	112541	19.263	ug/l	98
95) Naphthalene	15.507	128	368802	14.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	157344	16.640	ug/l	98

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

