

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069932.D
 Acq On : 10 Dec 2021 00:49
 Operator : JC/MD
 Sample : VN1209WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS02

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 06:26:24 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	1013683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1704860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1593033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	609943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	803053	51.309	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.620%			
35) Dibromofluoromethane	8.021	113	569250	53.306	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.620%			
50) Toluene-d8	10.440	98	2204569	51.413	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.731	95	746506	48.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	212462	17.970	ug/l	100
3) Chloromethane	2.306	50	261024	17.622	ug/l	100
4) Vinyl Chloride	2.451	62	249379	18.310	ug/l	95
5) Bromomethane	2.864	94	138609	18.733	ug/l	98
6) Chloroethane	3.025	64	156161	18.711	ug/l	99
7) Trichlorofluoromethane	3.381	101	333373	18.650	ug/l	99
8) Diethyl Ether	3.827	74	133527	19.395	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.210	101	191758	19.137	ug/l	95
10) Methyl Iodide	4.422	142	231109	16.883	ug/l	98
11) Tert butyl alcohol	5.377	59	217761	73.606	ug/l	99
12) 1,1-Dichloroethene	4.183	96	179197	18.559	ug/l	89
13) Acrolein	4.044	56	243637	96.704	ug/l	97
14) Allyl chloride	4.846	41	416624	19.148	ug/l	93
15) Acrylonitrile	5.559	53	700209	87.833	ug/l	99
16) Acetone	4.288	43	661855	70.298	ug/l	96
17) Carbon Disulfide	4.532	76	493312	19.776	ug/l	99
18) Methyl Acetate	4.859	43	503956	17.733	ug/l	90
19) Methyl tert-butyl Ether	5.621	73	709821	18.906	ug/l	93
20) Methylene Chloride	5.098	84	231381	18.487	ug/l #	85
21) trans-1,2-Dichloroethene	5.599	96	194593	18.555	ug/l	85
22) Diisopropyl ether	6.501	45	847389	19.926	ug/l #	94
23) Vinyl Acetate	6.436	43	3384822	97.832	ug/l #	94
24) 1,1-Dichloroethane	6.391	63	429184	19.482	ug/l	97
25) 2-Butanone	7.337	43	1006929	78.714	ug/l	93
26) 2,2-Dichloropropane	7.327	77	306510	17.895	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	237178	18.718	ug/l	86
28) Bromochloromethane	7.656	49	242332	21.154	ug/l #	75
29) Tetrahydrofuran	7.686	42	670703	86.345	ug/l	87
30) Chloroform	7.820	83	433943	19.505	ug/l	99
31) Cyclohexane	8.094	56	407144	18.693	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	369952	19.521	ug/l	95
36) 1,1-Dichloropropene	8.222	75	304357	18.753	ug/l	96
37) Ethyl Acetate	7.415	43	407045	16.851	ug/l	94
38) Carbon Tetrachloride	8.206	117	320709	20.151	ug/l	100
39) Methylcyclohexane	9.459	83	338727	17.546	ug/l	89
40) Benzene	8.461	78	929351	18.734	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	209913	18.512	ug/l #	87
42) 1,2-Dichloroethane	8.531	62	375087	18.730	ug/l	96
43) Isopropyl Acetate	8.560	43	647387	18.110	ug/l #	93
44) Trichloroethene	9.217	130	217183	18.343	ug/l	92
45) 1,2-Dichloropropane	9.488	63	254558	19.109	ug/l	100
46) Dibromomethane	9.577	93	166569	19.065	ug/l	93
47) Bromodichloromethane	9.762	83	347923	21.033	ug/l	100
48) Methyl methacrylate	9.561	41	294766	17.669	ug/l	89
49) 1,4-Dioxane	9.571	88	84191	281.266	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	2062670	88.947	ug/l	94
52) Toluene	10.505	92	564483	18.638	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	336171	18.744	ug/l	100
54) cis-1,3-Dichloropropene	10.188	75	368103	18.921	ug/l	88
55) 1,1,2-Trichloroethane	10.896	97	228362	18.688	ug/l	95
56) Ethyl methacrylate	10.762	69	365806	17.421	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	401246	18.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	376289	74.377	ug/l	90
59) 2-Hexanone	11.084	43	1400702	79.846	ug/l	92
60) Dibromochloromethane	11.237	129	247105	20.352	ug/l	100
61) 1,2-Dibromoethane	11.344	107	227711	17.991	ug/l	100
64) Tetrachloroethene	10.977	164	190223	17.610	ug/l	96
65) Chlorobenzene	11.771	112	587557	18.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	230047	20.224	ug/l	99
67) Ethyl Benzene	11.843	91	1062940	18.107	ug/l	95
68) m/p-Xylenes	11.953	106	770404	36.043	ug/l	92
69) o-Xylene	12.280	106	380499	17.673	ug/l	91
70) Styrene	12.294	104	617074	18.075	ug/l	96
71) Bromoform	12.457	173	179774	20.200	ug/l #	99
73) Isopropylbenzene	12.578	105	1000146	18.430	ug/l	98
74) N-amyl acetate	12.387	43	399976	16.666	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	351021	18.705	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	332827m	19.028	ug/l	
77) Bromobenzene	12.860	156	230152	18.056	ug/l	78
78) n-propylbenzene	12.921	91	1097414	18.173	ug/l	96
79) 2-Chlorotoluene	13.007	91	696360	18.250	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	812442	18.600	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.623	75	88212	19.226	ug/l	94
82) 4-Chlorotoluene	13.104	91	639374	17.818	ug/l	93
83) tert-Butylbenzene	13.323	119	696383	18.005	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	789092	18.969	ug/l	97
85) sec-Butylbenzene	13.500	105	937576	17.872	ug/l	98
86) p-Isopropyltoluene	13.616	119	733643	17.891	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	368696	17.607	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	352756	17.141	ug/l	96
89) n-Butylbenzene	13.943	91	544947	16.382	ug/l	98
90) Hexachloroethane	14.209	117	157350	21.855	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	363126	17.797	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	60315	17.787	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	147000	16.722	ug/l	98
94) Hexachlorobutadiene	15.370	225	94910	17.552	ug/l	98
95) Naphthalene	15.507	128	372187	15.476	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	143153	16.399	ug/l	98

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

