

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076258.D
 Acq On : 13 Jan 2023 19:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/16/2023
 Supervised By : Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 01:15:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	377960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	596498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	531544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	185316	45.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.140%		
35) Dibromofluoromethane	8.171	113	172934	46.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.620%		
50) Toluene-d8	10.571	98	613105	44.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.780%		
62) 4-Bromofluorobenzene	12.853	95	214705	46.935	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	151472	56.443	ug/l	99
3) Chloromethane	2.377	50	143549	43.017	ug/l	98
4) Vinyl Chloride	2.524	62	184788	46.422	ug/l	96
5) Bromomethane	2.948	94	150336	44.439	ug/l	99
6) Chloroethane	3.118	64	139442	47.304	ug/l	96
7) Trichlorofluoromethane	3.506	101	267093	44.219	ug/l	100
8) Diethyl Ether	3.971	74	97441	44.168	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	153874	44.613	ug/l	99
10) Methyl Iodide	4.600	142	239531	42.793	ug/l	98
11) Tert butyl alcohol	5.536	59	123727	212.654	ug/l	99
12) 1,1-Dichloroethene	4.353	96	143228	42.757	ug/l	98
13) Acrolein	4.195	56	160599	225.151	ug/l	100
14) Allyl chloride	5.036	41	168700	43.081	ug/l	89
15) Acrylonitrile	5.730	53	350584	220.804	ug/l	100
16) Acetone	4.442	43	275601	194.436	ug/l	97
17) Carbon Disulfide	4.724	76	307080	37.862	ug/l	100
18) Methyl Acetate	5.042	43	198609	47.403	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	531041	48.140	ug/l	99
20) Methylene Chloride	5.289	84	166666	43.876	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	152430	41.550	ug/l	99
22) Diisopropyl ether	6.683	45	436112	45.845	ug/l	98
23) Vinyl Acetate	6.612	43	1420609	221.873	ug/l	99
24) 1,1-Dichloroethane	6.577	63	279754	44.096	ug/l	98
25) 2-Butanone	7.489	43	433057	218.201	ug/l	95
26) 2,2-Dichloropropane	7.500	77	232571	43.288	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	192183	43.802	ug/l	98
28) Bromochloromethane	7.818	49	111894	40.240	ug/l	98
29) Tetrahydrofuran	7.847	42	288664	232.094	ug/l	98
30) Chloroform	7.971	83	310534	43.474	ug/l	95
31) Cyclohexane	8.259	56	240462	40.833	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	279479	44.133	ug/l	98
36) 1,1-Dichloropropene	8.377	75	217439	44.311	ug/l	100
37) Ethyl Acetate	7.565	43	183442	46.540	ug/l	98
38) Carbon Tetrachloride	8.371	117	248787	45.298	ug/l	99
39) Methylcyclohexane	9.606	83	270665	45.720	ug/l	99
40) Benzene	8.612	78	668387	44.146	ug/l	99

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41) Methacrylonitrile	7.789	41	98729	48.188	ug/l	98
42) 1,2-Dichloroethane	8.677	62	227652	45.228	ug/l	99
43) Isopropyl Acetate	8.694	43	324655	49.931	ug/l	98
44) Trichloroethene	9.359	130	183287	42.972	ug/l	100
45) 1,2-Dichloropropane	9.624	63	164452	44.636	ug/l	100
46) Dibromomethane	9.712	93	119948	43.894	ug/l	99
47) Bromodichloromethane	9.894	83	242866	45.321	ug/l	98
48) Methyl methacrylate	9.682	41	148148	50.589	ug/l	97
49) 1,4-Dioxane	9.694	88	62141	863.138	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	933892	237.502	ug/l	99
52) Toluene	10.630	92	449091	45.545	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	246973	47.081	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	271557	47.149	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	177996	45.991	ug/l	97
56) Ethyl methacrylate	10.877	69	253114	49.237	ug/l	97
57) 1,3-Dichloropropane	11.165	76	290018	45.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	409515	250.203	ug/l	100
59) 2-Hexanone	11.200	43	676074	235.763	ug/l	100
60) Dibromochloromethane	11.359	129	199825	46.426	ug/l	99
61) 1,2-Dibromoethane	11.471	107	179938	45.942	ug/l	99
64) Tetrachloroethene	11.106	164	180084	48.146	ug/l	97
65) Chlorobenzene	11.894	112	481213	44.108	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	186809	46.229	ug/l	100
67) Ethyl Benzene	11.965	91	865400	46.999	ug/l	100
68) m/p-Xylenes	12.071	106	688771	94.509	ug/l	99
69) o-Xylene	12.400	106	338574	46.945	ug/l	100
70) Styrene	12.412	104	558924	48.741	ug/l	99
71) Bromoform	12.582	173	142704	48.532	ug/l #	99
73) Isopropylbenzene	12.700	105	886254	47.187	ug/l	100
74) N-amyl acetate	12.494	43	269994	49.001	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	246842	42.514	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	219415m	41.881	ug/l	
77) Bromobenzene	12.982	156	211758	44.551	ug/l	99
78) n-propylbenzene	13.035	91	999457	48.248	ug/l	99
79) 2-Chlorotoluene	13.129	91	594476	45.973	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	748541	47.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	70072	48.143	ug/l	97
82) 4-Chlorotoluene	13.129	91	594476	45.973	ug/l	100
83) tert-Butylbenzene	13.441	119	696661	50.266	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	744208	47.723	ug/l	99
85) sec-Butylbenzene	13.618	105	949866	49.655	ug/l	99
86) p-Isopropyltoluene	13.729	119	798885	50.190	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	395107	45.000	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	391507	43.649	ug/l	100
89) n-Butylbenzene	14.059	91	629523	48.819	ug/l	100
90) Hexachloroethane	14.335	117	134261	47.154	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	395099	45.685	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44797	43.482	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	199117	46.505	ug/l	99
94) Hexachlorobutadiene	15.506	225	105970	45.364	ug/l	99
95) Naphthalene	15.641	128	573904	40.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	189351	47.316	ug/l	99

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

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