

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076744.D
 Acq On : 21 Feb 2023 09:59
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 04:10:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	299043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	531603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	513731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	269746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	220419	53.379	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	8.172	113	172672	49.599	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	10.572	98	710053	54.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.854	95	256845	59.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.300%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	141743	44.639	ug/l	97
3) Chloromethane	2.378	50	176336	42.565	ug/l	98
4) Vinyl Chloride	2.525	62	188318	46.187	ug/l	94
5) Bromomethane	2.949	94	122207	49.467	ug/l	92
6) Chloroethane	3.125	64	132384	51.377	ug/l	99
7) Trichlorofluoromethane	3.507	101	242746	43.757	ug/l	92
8) Diethyl Ether	3.972	74	101354	47.413	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.390	101	148313	45.500	ug/l	100
10) Methyl Iodide	4.601	142	205957	51.164	ug/l	98
11) Tert butyl alcohol	5.531	59	129988	238.484	ug/l	96
12) 1,1-Dichloroethene	4.354	96	138867	44.989	ug/l	99
13) Acrolein	4.190	56	180367	220.416	ug/l	98
14) Allyl chloride	5.037	41	255034	47.685	ug/l	99
15) Acrylonitrile	5.731	53	480556	248.429	ug/l	100
16) Acetone	4.437	43	448084	242.926	ug/l	93
17) Carbon Disulfide	4.725	76	362557	44.487	ug/l	99
18) Methyl Acetate	5.031	43	294204	48.864	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	532738	51.193	ug/l	99
20) Methylene Chloride	5.295	84	178227	46.104	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	158713	45.678	ug/l	86
22) Diisopropyl ether	6.678	45	667252	53.192	ug/l	95
23) Vinyl Acetate	6.613	43	2174525	292.984	ug/l	99
24) 1,1-Dichloroethane	6.578	63	327565	47.646	ug/l	97
25) 2-Butanone	7.489	43	681349	250.421	ug/l	95
26) 2,2-Dichloropropane	7.501	77	255288	51.481	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	198332	48.126	ug/l	96
28) Bromochloromethane	7.819	49	171449	52.397	ug/l	89
29) Tetrahydrofuran	7.842	42	452218	254.391	ug/l	100
30) Chloroform	7.972	83	346553	50.452	ug/l	93
31) Cyclohexane	8.266	56	301915	46.610	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	287004	49.694	ug/l	96
36) 1,1-Dichloropropene	8.378	75	247640	49.233	ug/l	98
37) Ethyl Acetate	7.566	43	284553	53.768	ug/l	98
38) Carbon Tetrachloride	8.372	117	242252	47.742	ug/l	98
39) Methylcyclohexane	9.607	83	297671	52.063	ug/l	96
40) Benzene	8.613	78	778959	50.429	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	152911	49.875	ug/l	95
42) 1,2-Dichloroethane	8.678	62	270205	50.155	ug/l	100
43) Isopropyl Acetate	8.695	43	462353	53.689	ug/l	99
44) Trichloroethene	9.354	130	176577	48.374	ug/l	98
45) 1,2-Dichloropropane	9.625	63	208099	50.892	ug/l	95
46) Dibromomethane	9.713	93	135591	51.868	ug/l	96
47) Bromodichloromethane	9.889	83	277325	52.914	ug/l #	96
48) Methyl methacrylate	9.683	41	217747	53.285	ug/l	98
49) 1,4-Dioxane	9.695	88	70557	998.145	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1475039	269.209	ug/l	99
52) Toluene	10.630	92	510015	54.688	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	292733	57.867	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	318338	54.556	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	198766	52.415	ug/l	94
56) Ethyl methacrylate	10.877	69	300818	56.356	ug/l	97
57) 1,3-Dichloropropane	11.166	76	343843	52.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	673287	275.419	ug/l	96
59) 2-Hexanone	11.201	43	1083623	274.289	ug/l	99
60) Dibromochloromethane	11.360	129	211462	52.909	ug/l	97
61) 1,2-Dibromoethane	11.471	107	194997	51.372	ug/l	99
64) Tetrachloroethene	11.107	164	148579	45.893	ug/l	94
65) Chlorobenzene	11.895	112	537790	49.396	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	198899	50.296	ug/l	99
67) Ethyl Benzene	11.966	91	992741	53.521	ug/l	100
68) m/p-Xylenes	12.071	106	776811	108.651	ug/l	97
69) o-Xylene	12.401	106	385694	55.314	ug/l	97
70) Styrene	12.413	104	644997	57.202	ug/l	100
71) Bromoform	12.583	173	153144	52.795	ug/l #	99
73) Isopropylbenzene	12.695	105	997225	50.438	ug/l	99
74) N-amyl acetate	12.495	43	429162	48.157	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	316892	44.279	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	255328m	46.819	ug/l	
77) Bromobenzene	12.983	156	230203	46.667	ug/l	98
78) n-propylbenzene	13.036	91	1230575	53.004	ug/l	99
79) 2-Chlorotoluene	13.130	91	696830	49.019	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	865548	52.972	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	108383	57.884	ug/l #	79
82) 4-Chlorotoluene	13.130	91	696830	49.019	ug/l	100
83) tert-Butylbenzene	13.442	119	758224	51.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	862520	52.965	ug/l	99
85) sec-Butylbenzene	13.618	105	1107265	53.653	ug/l	99
86) p-Isopropyltoluene	13.730	119	927490	56.281	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	467584	50.145	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	458958	49.426	ug/l	99
89) n-Butylbenzene	14.060	91	810372	56.539	ug/l	100
90) Hexachloroethane	14.336	117	165632	48.002	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	469850	49.150	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	56540	40.778	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	242053	50.761	ug/l	99
94) Hexachlorobutadiene	15.507	225	113296	48.477	ug/l	98
95) Naphthalene	15.648	128	754275	52.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	232669	50.363	ug/l	96

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

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