

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078176.D
 Acq On : 13 Jun 2023 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 02:11:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	419591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	734858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	642631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	267369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	288866	51.635	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.260%			
35) Dibromofluoromethane	8.171	113	245151	52.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	10.571	98	940106	52.484	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.853	95	298981	53.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	196636	41.458	ug/l	98
3) Chloromethane	2.371	50	219237	49.100	ug/l	100
4) Vinyl Chloride	2.524	62	275799	44.406	ug/l	96
5) Bromomethane	2.953	94	202910	43.230	ug/l	95
6) Chloroethane	3.124	64	194252	45.881	ug/l	97
7) Trichlorofluoromethane	3.506	101	378636	44.956	ug/l	95
8) Diethyl Ether	3.971	74	132097	44.638	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	210462	47.349	ug/l	97
10) Methyl Iodide	4.600	142	284749	45.299	ug/l	98
11) Tert butyl alcohol	5.530	59	173035	224.001	ug/l	99
12) 1,1-Dichloroethene	4.347	96	198406	43.302	ug/l	93
13) Acrolein	4.189	56	188531	221.445	ug/l	95
14) Allyl chloride	5.030	41	264471	47.285	ug/l	92
15) Acrylonitrile	5.730	53	481530	241.785	ug/l	99
16) Acetone	4.436	43	416200	258.464	ug/l	96
17) Carbon Disulfide	4.718	76	517088	43.845	ug/l	100
18) Methyl Acetate	5.030	43	343681	46.358	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	694318	47.494	ug/l	97
20) Methylene Chloride	5.283	84	240097	45.120	ug/l #	90
21) trans-1,2-Dichloroethene	5.794	96	222686	45.061	ug/l	87
22) Diisopropyl ether	6.677	45	672577	51.121	ug/l	96
23) Vinyl Acetate	6.612	43	1976618	252.740	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	427579	49.266	ug/l	97
25) 2-Butanone	7.488	43	619492	250.172	ug/l	91
26) 2,2-Dichloropropane	7.500	77	365677	57.063	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	271924	46.130	ug/l	92
28) Bromochloromethane	7.818	49	213180	53.497	ug/l	87
29) Tetrahydrofuran	7.841	42	399291	241.205	ug/l	85
30) Chloroform	7.971	83	465173	49.774	ug/l	92
31) Cyclohexane	8.265	56	343239	47.829	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	413021	50.338	ug/l	97
36) 1,1-Dichloropropene	8.377	75	334692	50.218	ug/l	97
37) Ethyl Acetate	7.565	43	253739	48.735	ug/l	95
38) Carbon Tetrachloride	8.365	117	354206	50.333	ug/l	96
39) Methylcyclohexane	9.606	83	338801	49.053	ug/l	89
40) Benzene	8.612	78	997551	50.136	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	135747	48.102	ug/l	92
42) 1,2-Dichloroethane	8.677	62	348254	51.048	ug/l	97
43) Isopropyl Acetate	8.694	43	461153	46.314	ug/l	95
44) Trichloroethene	9.359	130	247972	47.192	ug/l	95
45) 1,2-Dichloropropane	9.629	63	256190	51.751	ug/l	97
46) Dibromomethane	9.718	93	179831	49.319	ug/l	96
47) Bromodichloromethane	9.894	83	366647	54.133	ug/l	97
48) Methyl methacrylate	9.688	41	213584	51.114	ug/l	89
49) 1,4-Dioxane	9.700	88	84624	963.556	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	1321765	252.085	ug/l	94
52) Toluene	10.635	92	633843	50.455	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	378056	53.596	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	414714	53.186	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	250265	52.663	ug/l	96
56) Ethyl methacrylate	10.882	69	352357	50.921	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	418494	52.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	746165	266.934	ug/l	92
59) 2-Hexanone	11.200	43	931236	255.071	ug/l	91
60) Dibromochloromethane	11.365	129	274250	52.739	ug/l	99
61) 1,2-Dibromoethane	11.476	107	248830	49.894	ug/l	97
64) Tetrachloroethene	11.106	164	210455	49.089	ug/l	97
65) Chlorobenzene	11.894	112	670284	48.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	253479	50.077	ug/l	97
67) Ethyl Benzene	11.970	91	1207796	50.862	ug/l	99
68) m/p-Xylenes	12.076	106	923010	101.991	ug/l	97
69) o-Xylene	12.400	106	449226	50.548	ug/l	97
70) Styrene	12.418	104	725096	51.825	ug/l	98
71) Bromoform	12.582	173	167303	51.217	ug/l #	99
73) Isopropylbenzene	12.700	105	1143515	45.228	ug/l	100
74) N-amyl acetate	12.500	43	361183	43.381	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	340681	48.939	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	304573m	48.187	ug/l	
77) Bromobenzene	12.982	156	256730	43.742	ug/l	98
78) n-propylbenzene	13.041	91	1320961	48.088	ug/l	100
79) 2-Chlorotoluene	13.129	91	797957	45.002	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	954125	46.611	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	101911	49.536	ug/l	89
82) 4-Chlorotoluene	13.223	91	764850	46.218	ug/l	99
83) tert-Butylbenzene	13.441	119	797022	44.793	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	931723	46.948	ug/l	100
85) sec-Butylbenzene	13.623	105	1061963	45.599	ug/l	99
86) p-Isopropyltoluene	13.735	119	870644	46.067	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	449650	45.292	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	431965	45.092	ug/l	98
89) n-Butylbenzene	14.059	91	665262	44.628	ug/l	99
90) Hexachloroethane	14.341	117	165655	49.391	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	447888	46.161	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	53939	43.071	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	158276	45.784	ug/l	99
94) Hexachlorobutadiene	15.506	225	75284	44.112	ug/l	99
95) Naphthalene	15.647	128	470834	40.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	164836	42.633	ug/l	96

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

