

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078131.D
 Acq On : 08 Jun 2023 16:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 09 01:28:07 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2023
 Supervised By : Mahesh Dadoda 06/09/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	459960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	826556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	739239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	307492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	318955	52.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.020%			
35) Dibromofluoromethane	8.171	113	270684	51.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.580%			
50) Toluene-d8	10.570	98	1054242	52.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.853	95	344756	55.043	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	243474	46.828	ug/l	95
3) Chloromethane	2.371	50	268657	55.111	ug/l	97
4) Vinyl Chloride	2.524	62	345252	50.710	ug/l	99
5) Bromomethane	2.953	94	246835	47.973	ug/l	97
6) Chloroethane	3.124	64	239087	51.514	ug/l	99
7) Trichlorofluoromethane	3.500	101	476218	51.580	ug/l	97
8) Diethyl Ether	3.965	74	163592	50.428	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	263505	54.080	ug/l	97
10) Methyl Iodide	4.600	142	367256	53.297	ug/l	100
11) Tert butyl alcohol	5.530	59	186839	220.642	ug/l	99
12) 1,1-Dichloroethene	4.347	96	257774	51.321	ug/l	89
13) Acrolein	4.189	56	231739	248.306	ug/l	96
14) Allyl chloride	5.030	41	336311	54.852	ug/l	92
15) Acrylonitrile	5.724	53	589104	269.839	ug/l	98
16) Acetone	4.436	43	459899	260.535	ug/l	97
17) Carbon Disulfide	4.718	76	666385	51.545	ug/l	99
18) Methyl Acetate	5.030	43	418354	51.477	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	869536	54.259	ug/l	98
20) Methylene Chloride	5.283	84	298530	51.178	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	285026	52.613	ug/l	86
22) Diisopropyl ether	6.683	45	828076	57.416	ug/l	94
23) Vinyl Acetate	6.612	43	2449089	285.668	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	522496	54.918	ug/l	95
25) 2-Butanone	7.488	43	738133	271.921	ug/l	88
26) 2,2-Dichloropropane	7.500	77	446413	63.547	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	331897	51.362	ug/l	90
28) Bromochloromethane	7.818	49	244939	56.072	ug/l	92
29) Tetrahydrofuran	7.841	42	482139	265.690	ug/l	86
30) Chloroform	7.971	83	569028	55.543	ug/l	96
31) Cyclohexane	8.265	56	411732	52.338	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	504344	56.074	ug/l	95
36) 1,1-Dichloropropene	8.377	75	422753	56.394	ug/l	97
37) Ethyl Acetate	7.565	43	321370	54.877	ug/l #	93
38) Carbon Tetrachloride	8.365	117	451648	57.059	ug/l	98
39) Methylcyclohexane	9.606	83	419008	53.935	ug/l	92
40) Benzene	8.612	78	1242766	55.531	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	176029	55.456	ug/l	92
42) 1,2-Dichloroethane	8.677	62	436258	56.853	ug/l	97
43) Isopropyl Acetate	8.694	43	575628	51.397	ug/l	94
44) Trichloroethene	9.359	130	319578	54.072	ug/l	99
45) 1,2-Dichloropropane	9.623	63	317735	57.063	ug/l	93
46) Dibromomethane	9.712	93	224180	54.661	ug/l	96
47) Bromodichloromethane	9.894	83	447208	58.702	ug/l	99
48) Methyl methacrylate	9.688	41	266680	56.740	ug/l	89
49) 1,4-Dioxane	9.700	88	94777	959.439	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1638102	277.757	ug/l	93
52) Toluene	10.635	92	793770	56.176	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	474993	59.868	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	513582	58.558	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	307916	57.606	ug/l	96
56) Ethyl methacrylate	10.876	69	451017	57.948	ug/l	93
57) 1,3-Dichloropropane	11.165	76	520736	57.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	979368	311.491	ug/l	94
59) 2-Hexanone	11.200	43	1143495	278.463	ug/l	93
60) Dibromochloromethane	11.365	129	335022	57.278	ug/l	99
61) 1,2-Dibromoethane	11.470	107	311732	55.573	ug/l	100
64) Tetrachloroethene	11.112	164	255388	51.785	ug/l	97
65) Chlorobenzene	11.894	112	845913	53.433	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	316717	54.393	ug/l	99
67) Ethyl Benzene	11.970	91	1525847	55.858	ug/l	99
68) m/p-Xylenes	12.076	106	1163141	111.729	ug/l	98
69) o-Xylene	12.406	106	574901	56.235	ug/l	99
70) Styrene	12.417	104	930641	57.824	ug/l	98
71) Bromoform	12.582	173	212535	56.561	ug/l #	99
73) Isopropylbenzene	12.700	105	1426255	49.050	ug/l	99
74) N-amyl acetate	12.500	43	463661	48.423	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	426415	53.490	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	338315m	46.541	ug/l	
77) Bromobenzene	12.982	156	326677	48.397	ug/l	99
78) n-propylbenzene	13.041	91	1624838	51.432	ug/l	100
79) 2-Chlorotoluene	13.129	91	982916	48.200	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1157964	49.188	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	127994	54.096	ug/l	95
82) 4-Chlorotoluene	13.229	91	961124	50.500	ug/l	98
83) tert-Butylbenzene	13.441	119	978690	47.825	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1156145	50.655	ug/l	98
85) sec-Butylbenzene	13.623	105	1305007	48.723	ug/l	100
86) p-Isopropyltoluene	13.735	119	1064499	48.975	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	571778	50.078	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	550075	49.928	ug/l	100
89) n-Butylbenzene	14.059	91	861644	50.259	ug/l	98
90) Hexachloroethane	14.335	117	189337	49.086	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	550826	49.363	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	70562	48.992	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	216911	54.558	ug/l	98
94) Hexachlorobutadiene	15.505	225	103926	53.515	ug/l	96
95) Naphthalene	15.647	128	693754	51.875	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	223155	50.185	ug/l	97

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

