

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078343.D
 Acq On : 22 Jun 2023 12:06
 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 06/22/2023
 Supervised By : Mahesh Dadoda 06/23/2023

Quant Time: Jun 22 17:00:42 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	8.230	168	406475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	703855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	616324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	281442	51.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.860%			
35) Dibromofluoromethane	8.177	113	243735	54.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	10.571	98	885773	51.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.853	95	286579	53.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	256137	55.745	ug/l	94
3) Chloromethane	2.371	50	265383	61.825	ug/l	97
4) Vinyl Chloride	2.524	62	369114	61.349	ug/l	99
5) Bromomethane	2.959	94	261998	57.620	ug/l	100
6) Chloroethane	3.124	64	252447	61.550	ug/l	97
7) Trichlorofluoromethane	3.506	101	436437	53.491	ug/l	98
8) Diethyl Ether	3.971	74	153678	53.606	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	235998	54.808	ug/l	98
10) Methyl Iodide	4.600	142	343665	56.436	ug/l	99
11) Tert butyl alcohol	5.530	59	172623	230.678	ug/l	98
12) 1,1-Dichloroethene	4.353	96	233755	52.663	ug/l	94
13) Acrolein	4.189	56	252797	306.512	ug/l	96
14) Allyl chloride	5.036	41	301166	55.583	ug/l	95
15) Acrylonitrile	5.724	53	525769	272.517	ug/l	99
16) Acetone	4.436	43	509238	326.446	ug/l	100
17) Carbon Disulfide	4.724	76	632225	55.337	ug/l	100
18) Methyl Acetate	5.030	43	370407	51.575	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	779026	55.008	ug/l	99
20) Methylene Chloride	5.289	84	271589	52.685	ug/l #	87
21) trans-1,2-Dichloroethene	5.794	96	257629	53.814	ug/l	88
22) Diisopropyl ether	6.683	45	739906	58.054	ug/l	95
23) Vinyl Acetate	6.612	43	2212883	292.080	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	471377	56.065	ug/l	97
25) 2-Butanone	7.488	43	689026	287.230	ug/l	89
26) 2,2-Dichloropropane	7.500	77	408973	65.878	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	310059	54.296	ug/l	95
28) Bromochloromethane	7.818	49	210379	54.498	ug/l	89
29) Tetrahydrofuran	7.847	42	429106	267.580	ug/l	85
30) Chloroform	7.977	83	506817	55.980	ug/l	93
31) Cyclohexane	8.259	56	367074	52.801	ug/l	86
32) 1,1,1-Trichloroethane	8.177	97	446245	56.143	ug/l	96
36) 1,1-Dichloropropene	8.377	75	379948	59.520	ug/l	98
37) Ethyl Acetate	7.565	43	274093	54.963	ug/l	94
38) Carbon Tetrachloride	8.371	117	403589	59.876	ug/l	98
39) Methylcyclohexane	9.606	83	341388	51.604	ug/l	91
40) Benzene	8.612	78	1115778	58.548	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	150103	55.532	ug/l	93
42) 1,2-Dichloroethane	8.677	62	380858	58.286	ug/l	99
43) Isopropyl Acetate	8.694	43	515323	54.034	ug/l #	93
44) Trichloroethene	9.359	130	286364	56.898	ug/l	93
45) 1,2-Dichloropropane	9.624	63	282125	59.501	ug/l	93
46) Dibromomethane	9.712	93	199332	57.075	ug/l	94
47) Bromodichloromethane	9.894	83	404260	62.315	ug/l	96
48) Methyl methacrylate	9.688	41	227110	56.745	ug/l	91
49) 1,4-Dioxane	9.694	88	80430	956.140	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	1424610	283.667	ug/l	93
52) Toluene	10.635	92	696456	57.882	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	429772	63.611	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	471236	63.097	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	276953	60.845	ug/l	99
56) Ethyl methacrylate	10.877	69	399477	60.274	ug/l	93
57) 1,3-Dichloropropane	11.171	76	461252	60.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	705737	263.592	ug/l	91
59) 2-Hexanone	11.200	43	1006317	287.777	ug/l	93
60) Dibromochloromethane	11.365	129	300519	60.336	ug/l	98
61) 1,2-Dibromoethane	11.476	107	280699	58.764	ug/l	97
64) Tetrachloroethene	11.112	164	220060	53.520	ug/l	97
65) Chlorobenzene	11.894	112	748275	56.692	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	279887	57.655	ug/l	96
67) Ethyl Benzene	11.971	91	1313959	57.694	ug/l	99
68) m/p-Xylenes	12.076	106	1007527	116.082	ug/l	100
69) o-Xylene	12.406	106	497752	58.399	ug/l	99
70) Styrene	12.418	104	800091	59.627	ug/l	99
71) Bromoform	12.582	173	187306	59.788	ug/l #	100
73) Isopropylbenzene	12.700	105	1182084	52.337	ug/l	99
74) N-amyl acetate	12.500	43	402220	54.079	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	367582	59.644	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	289866m	51.337	ug/l	
77) Bromobenzene	12.982	156	282162	53.816	ug/l	97
78) n-propylbenzene	13.041	91	1320950	53.831	ug/l	100
79) 2-Chlorotoluene	13.129	91	827213	52.223	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	953902	52.166	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	115171	62.667	ug/l	87
82) 4-Chlorotoluene	13.223	91	818311	55.353	ug/l	99
83) tert-Butylbenzene	13.441	119	754020	47.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	963701	54.359	ug/l	99
85) sec-Butylbenzene	13.623	105	1021303	49.090	ug/l	100
86) p-Isopropyltoluene	13.735	119	837232	49.590	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	467291	52.690	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	462325	54.024	ug/l	99
89) n-Butylbenzene	14.059	91	672754	50.520	ug/l	98
90) Hexachloroethane	14.335	117	156704	52.302	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	463605	53.487	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56744	50.722	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	153282	49.635	ug/l	98
94) Hexachlorobutadiene	15.506	225	82611	54.832	ug/l	98
95) Naphthalene	15.641	128	475097	45.735	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	161268	46.691	ug/l	97

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

