

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
 Data File : VN076337.D
 Acq On : 20 Jan 2023 10:27
 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 01/23/2023
 Supervised By : Mahesh Dadoda 01/25/2023

Quant Time: Jan 20 22:10:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	383049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	610968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	549444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	272155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	217554	50.724	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.440%			
35) Dibromofluoromethane	8.177	113	199349	52.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.571	98	737178	52.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.853	95	265749	57.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	180777	46.054	ug/l	98
3) Chloromethane	2.371	50	179416	44.146	ug/l	96
4) Vinyl Chloride	2.530	62	224808	45.111	ug/l	99
5) Bromomethane	2.954	94	186736	45.757	ug/l	98
6) Chloroethane	3.124	64	169783	45.435	ug/l	99
7) Trichlorofluoromethane	3.506	101	316129	46.110	ug/l	100
8) Diethyl Ether	3.977	74	113938	49.547	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	183623	47.311	ug/l	98
10) Methyl Iodide	4.601	142	281421	47.469	ug/l	99
11) Tert butyl alcohol	5.536	59	129020	224.902	ug/l	100
12) 1,1-Dichloroethene	4.354	96	171773	46.819	ug/l	91
13) Acrolein	4.189	56	149996	218.634	ug/l	99
14) Allyl chloride	5.036	41	211991	49.582	ug/l	94
15) Acrylonitrile	5.730	53	372887	228.415	ug/l	99
16) Acetone	4.442	43	353330	256.987	ug/l	99
17) Carbon Disulfide	4.724	76	390473	42.743	ug/l	98
18) Methyl Acetate	5.036	43	205053	44.007	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	585879	49.051	ug/l	99
20) Methylene Chloride	5.289	84	197270	48.470	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	180547	45.424	ug/l	99
22) Diisopropyl ether	6.683	45	487765	48.376	ug/l	98
23) Vinyl Acetate	6.612	43	1599013	245.380	ug/l	99
24) 1,1-Dichloroethane	6.577	63	311302	46.318	ug/l	99
25) 2-Butanone	7.489	43	488735	232.743	ug/l	95
26) 2,2-Dichloropropane	7.494	77	275916	48.709	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	221287	47.735	ug/l	99
28) Bromochloromethane	7.818	49	135108	49.596	ug/l	99
29) Tetrahydrofuran	7.841	42	307363	237.159	ug/l	99
30) Chloroform	7.971	83	351972	47.329	ug/l	98
31) Cyclohexane	8.265	56	280606	42.590	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	325943	48.005	ug/l	95
36) 1,1-Dichloropropene	8.377	75	254336	46.832	ug/l	100
37) Ethyl Acetate	7.565	43	200035	45.925	ug/l	99
38) Carbon Tetrachloride	8.371	117	291124	48.071	ug/l	98
39) Methylcyclohexane	9.606	83	323607	48.795	ug/l	99
40) Benzene	8.612	78	771016	47.480	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	107443	47.108	ug/l	97
42) 1,2-Dichloroethane	8.677	62	259393	46.686	ug/l	99
43) Isopropyl Acetate	8.694	43	343362	48.454	ug/l	99
44) Trichloroethene	9.353	130	215893	47.006	ug/l	99
45) 1,2-Dichloropropane	9.624	63	183173	47.113	ug/l	100
46) Dibromomethane	9.712	93	138237	47.093	ug/l	99
47) Bromodichloromethane	9.894	83	277513	48.744	ug/l	98
48) Methyl methacrylate	9.683	41	157628	46.986	ug/l	99
49) 1,4-Dioxane	9.700	88	71487	1009.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	994095	238.969	ug/l	99
52) Toluene	10.630	92	515055	47.429	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	287090	52.897	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	312316	50.019	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	196926	47.442	ug/l	99
56) Ethyl methacrylate	10.877	69	279619	52.178	ug/l	99
57) 1,3-Dichloropropane	11.165	76	321327	47.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	449814	248.637	ug/l	100
59) 2-Hexanone	11.200	43	737760	244.735	ug/l	100
60) Dibromochloromethane	11.359	129	226815	51.908	ug/l	100
61) 1,2-Dibromoethane	11.471	107	206498	49.839	ug/l	99
64) Tetrachloroethene	11.106	164	227910	45.996	ug/l	99
65) Chlorobenzene	11.894	112	555223	47.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	207880	48.105	ug/l	99
67) Ethyl Benzene	11.965	91	991891	49.899	ug/l	100
68) m/p-Xylenes	12.071	106	795104	99.752	ug/l	98
69) o-Xylene	12.400	106	391040	49.956	ug/l	99
70) Styrene	12.412	104	645803	51.671	ug/l	99
71) Bromoform	12.582	173	161083	51.617	ug/l #	99
73) Isopropylbenzene	12.694	105	1025853	48.725	ug/l	99
74) N-amyl acetate	12.494	43	294615	48.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	271246	44.816	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	244243m	49.248	ug/l	
77) Bromobenzene	12.982	156	247247	50.232	ug/l	95
78) n-propylbenzene	13.035	91	1176985	49.545	ug/l	99
79) 2-Chlorotoluene	13.129	91	689468	47.296	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	881318	49.967	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	80111	48.976	ug/l	97
82) 4-Chlorotoluene	13.129	91	689468	47.296	ug/l	100
83) tert-Butylbenzene	13.441	119	760823	48.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	877680	49.625	ug/l	100
85) sec-Butylbenzene	13.618	105	1094637	50.287	ug/l	100
86) p-Isopropyltoluene	13.729	119	937303	52.363	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	465451	46.904	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	460202	48.754	ug/l	100
89) n-Butylbenzene	14.059	91	761799	53.612	ug/l	99
90) Hexachloroethane	14.335	117	158186	51.203	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	459019	46.442	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50448	47.951	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	230887	48.389	ug/l	98
94) Hexachlorobutadiene	15.506	225	123336	47.024	ug/l	96
95) Naphthalene	15.647	128	653881	46.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	219421	48.242	ug/l	98

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

