

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075835.D
 Acq On : 16 Dec 2022 09:54
 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 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 08:28:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	307235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	496269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	446933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178044	53.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	8.171	113	160558	52.242	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.480%			
50) Toluene-d8	10.571	98	609588	53.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.853	95	210240	55.241	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	104963	48.116	ug/l	98
3) Chloromethane	2.377	50	123215	45.423	ug/l	95
4) Vinyl Chloride	2.530	62	153260	47.365	ug/l	98
5) Bromomethane	2.930	94	135105	49.130	ug/l	98
6) Chloroethane	3.112	64	114159	47.642	ug/l	99
7) Trichlorofluoromethane	3.500	101	238300	48.534	ug/l	98
8) Diethyl Ether	3.971	74	94319	52.595	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	141333	50.410	ug/l	99
10) Methyl Iodide	4.600	142	225815	49.629	ug/l	99
11) Tert butyl alcohol	5.541	59	116121	245.525	ug/l	99
12) 1,1-Dichloroethene	4.353	96	132709	48.737	ug/l	98
13) Acrolein	4.189	56	152265	262.607	ug/l	98
14) Allyl chloride	5.042	41	158147	49.682	ug/l	90
15) Acrylonitrile	5.730	53	330052	255.725	ug/l	100
16) Acetone	4.442	43	325500	282.503	ug/l	99
17) Carbon Disulfide	4.724	76	317592	48.172	ug/l	98
18) Methyl Acetate	5.036	43	169058	49.638	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	471516	52.583	ug/l	98
20) Methylene Chloride	5.289	84	155828	50.564	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	147940	49.609	ug/l	99
22) Diisopropyl ether	6.683	45	405500	52.440	ug/l	98
23) Vinyl Acetate	6.612	43	1373636	263.923	ug/l	98
24) 1,1-Dichloroethane	6.583	63	260873	50.585	ug/l	99
25) 2-Butanone	7.488	43	440600	273.106	ug/l	95
26) 2,2-Dichloropropane	7.494	77	230046	52.675	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	180682	50.660	ug/l	97
28) Bromochloromethane	7.818	49	115988	51.314	ug/l	98
29) Tetrahydrofuran	7.847	42	272962	269.990	ug/l	97
30) Chloroform	7.971	83	291235	50.158	ug/l	92
31) Cyclohexane	8.259	56	223844	46.761	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	261788	50.855	ug/l	99
36) 1,1-Dichloropropene	8.377	75	210281	51.507	ug/l	99
37) Ethyl Acetate	7.565	43	164442	50.145	ug/l	98
38) Carbon Tetrachloride	8.365	117	231599	50.685	ug/l	98
39) Methylcyclohexane	9.606	83	267535	54.318	ug/l	98
40) Benzene	8.612	78	632565	50.218	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	90810	53.275	ug/l	98
42) 1,2-Dichloroethane	8.677	62	215603	51.485	ug/l	99
43) Isopropyl Acetate	8.694	43	289045	53.433	ug/l	100
44) Trichloroethene	9.359	130	169746	47.835	ug/l	96
45) 1,2-Dichloropropane	9.624	63	156929	51.196	ug/l	95
46) Dibromomethane	9.712	93	113958	50.125	ug/l	99
47) Bromodichloromethane	9.888	83	231148	51.845	ug/l	97
48) Methyl methacrylate	9.682	41	132465	54.369	ug/l	99
49) 1,4-Dioxane	9.700	88	65834	1099.117	ug/l #	94
51) 4-Methyl-2-Pentanone	10.447	43	893001	272.969	ug/l	99
52) Toluene	10.635	92	427418	52.101	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	242946	55.667	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	261823	54.641	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	169767	52.723	ug/l	99
56) Ethyl methacrylate	10.876	69	241108	56.373	ug/l	98
57) 1,3-Dichloropropane	11.165	76	277307	52.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	456804	335.463	ug/l	99
59) 2-Hexanone	11.200	43	681885	285.815	ug/l	100
60) Dibromochloromethane	11.365	129	188327	52.592	ug/l	98
61) 1,2-Dibromoethane	11.470	107	170470	52.315	ug/l	98
64) Tetrachloroethene	11.106	164	153093	48.679	ug/l	98
65) Chlorobenzene	11.894	112	456116	49.723	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	175233	51.574	ug/l	100
67) Ethyl Benzene	11.965	91	834069	53.873	ug/l	99
68) m/p-Xylenes	12.076	106	664636	108.463	ug/l	99
69) o-Xylene	12.400	106	325126	53.615	ug/l	100
70) Styrene	12.417	104	530651	55.036	ug/l	99
71) Bromoform	12.582	173	135093	54.641	ug/l #	99
73) Isopropylbenzene	12.700	105	848714	52.286	ug/l	99
74) N-amyl acetate	12.500	43	261790	54.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	237579	47.346	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	208104m	45.961	ug/l	
77) Bromobenzene	12.982	156	201299	49.002	ug/l	100
78) n-propylbenzene	13.041	91	969302	54.142	ug/l	99
79) 2-Chlorotoluene	13.129	91	565691	50.618	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	720429	53.030	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	69940	55.601	ug/l	99
82) 4-Chlorotoluene	13.129	91	565691	50.618	ug/l	100
83) tert-Butylbenzene	13.441	119	652811	54.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	719451	53.382	ug/l	99
85) sec-Butylbenzene	13.623	105	904569	54.715	ug/l	100
86) p-Isopropyltoluene	13.735	119	774142	56.275	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	377667	49.770	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	371852	47.969	ug/l	100
89) n-Butylbenzene	14.059	91	638373	57.281	ug/l	100
90) Hexachloroethane	14.335	117	133997	54.454	ug/l	98
91) 1,2-Dichlorobenzene	14.111	146	367257	49.136	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	41287	46.369	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	197883	53.476	ug/l	99
94) Hexachlorobutadiene	15.506	225	101748	50.398	ug/l	99
95) Naphthalene	15.647	128	559493	45.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	187955	54.345	ug/l	99

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

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