

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075808.D
 Acq On : 15 Dec 2022 11:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 16 02:59:30 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	329853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	527472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	475438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	177145	49.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.720%		
35) Dibromofluoromethane	8.171	113	158613	48.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	10.571	98	592672	48.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.060%		
62) 4-Bromofluorobenzene	12.853	95	204863	50.644	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	104931	44.803	ug/l	95
3) Chloromethane	2.371	50	120516	41.381	ug/l	93
4) Vinyl Chloride	2.530	62	148324	42.696	ug/l	99
5) Bromomethane	2.953	94	125788	42.605	ug/l	94
6) Chloroethane	3.124	64	106691	41.472	ug/l	95
7) Trichlorofluoromethane	3.506	101	238027	45.155	ug/l	93
8) Diethyl Ether	3.971	74	95105	49.397	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	140334	46.622	ug/l	99
10) Methyl Iodide	4.600	142	232037	47.500	ug/l	98
11) Tert butyl alcohol	5.524	59	115883	228.221	ug/l	100
12) 1,1-Dichloroethene	4.353	96	134964	46.166	ug/l	98
13) Acrolein	4.189	56	172704	277.433	ug/l	98
14) Allyl chloride	5.036	41	161424	47.235	ug/l	92
15) Acrylonitrile	5.724	53	330148	238.259	ug/l	100
16) Acetone	4.436	43	312996	253.023	ug/l	99
17) Carbon Disulfide	4.724	76	320042	45.215	ug/l	99
18) Methyl Acetate	5.036	43	169582	46.378	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	492562	51.164	ug/l	98
20) Methylene Chloride	5.289	84	159731	48.247	ug/l	99
21) trans-1,2-Dichloroethene	5.794	96	149047	46.553	ug/l	98
22) Diisopropyl ether	6.683	45	422025	50.834	ug/l	98
23) Vinyl Acetate	6.612	43	1469470	262.976	ug/l	100
24) 1,1-Dichloroethane	6.577	63	259886	46.938	ug/l	99
25) 2-Butanone	7.488	43	427716	246.941	ug/l	98
26) 2,2-Dichloropropane	7.494	77	231780	49.433	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	186874	48.803	ug/l	98
28) Bromochloromethane	7.824	49	105855	43.620	ug/l	99
29) Tetrahydrofuran	7.841	42	267392	246.345	ug/l	99
30) Chloroform	7.971	83	294696	47.274	ug/l	96
31) Cyclohexane	8.265	56	224377	43.659	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	263960	47.761	ug/l	99
36) 1,1-Dichloropropene	8.377	75	209100	48.188	ug/l	98
37) Ethyl Acetate	7.565	43	165660	47.528	ug/l	98
38) Carbon Tetrachloride	8.365	117	231526	47.672	ug/l	99
39) Methylcyclohexane	9.606	83	271891	51.937	ug/l	98
40) Benzene	8.612	78	647098	48.333	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	85983	47.459	ug/l	92
42) 1,2-Dichloroethane	8.677	62	214429	48.175	ug/l	100
43) Isopropyl Acetate	8.694	43	298070	51.842	ug/l	99
44) Trichloroethene	9.353	130	174257	46.201	ug/l	96
45) 1,2-Dichloropropane	9.624	63	157220	48.257	ug/l	97
46) Dibromomethane	9.712	93	118201	48.915	ug/l	99
47) Bromodichloromethane	9.888	83	234539	49.494	ug/l	98
48) Methyl methacrylate	9.682	41	135888	52.475	ug/l	99
49) 1,4-Dioxane	9.694	88	58132	913.117	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	898628	258.440	ug/l	99
52) Toluene	10.635	92	429269	49.231	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	247004	53.249	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	268194	52.659	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	170885	49.931	ug/l	97
56) Ethyl methacrylate	10.876	69	246018	54.119	ug/l	99
57) 1,3-Dichloropropane	11.165	76	281294	50.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	368168	254.378	ug/l	100
59) 2-Hexanone	11.200	43	663410	261.622	ug/l	99
60) Dibromochloromethane	11.359	129	193144	50.746	ug/l	100
61) 1,2-Dibromoethane	11.470	107	175882	50.783	ug/l	99
64) Tetrachloroethene	11.106	164	150563	45.004	ug/l	99
65) Chlorobenzene	11.894	112	465170	47.669	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	176496	48.831	ug/l	99
67) Ethyl Benzene	11.965	91	836859	50.813	ug/l	99
68) m/p-Xylenes	12.076	106	666238	102.206	ug/l	99
69) o-Xylene	12.400	106	331170	51.337	ug/l	99
70) Styrene	12.412	104	542074	52.850	ug/l	100
71) Bromoform	12.582	173	139348	52.983	ug/l #	99
73) Isopropylbenzene	12.700	105	845036	49.249	ug/l	100
74) N-amyl acetate	12.494	43	269685	53.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	246231	46.421	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	204020m	42.627	ug/l	
77) Bromobenzene	12.982	156	205957	47.429	ug/l	98
78) n-propylbenzene	13.041	91	973781	51.455	ug/l	98
79) 2-Chlorotoluene	13.129	91	568087	48.088	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	730720	50.883	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	70091	52.712	ug/l	99
82) 4-Chlorotoluene	13.129	91	568087	48.088	ug/l	100
83) tert-Butylbenzene	13.441	119	643075	50.790	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	741360	52.038	ug/l	98
85) sec-Butylbenzene	13.617	105	910113	52.078	ug/l	99
86) p-Isopropyltoluene	13.729	119	779655	53.616	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	391622	48.823	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	389072	47.481	ug/l	99
89) n-Butylbenzene	14.059	91	646355	54.866	ug/l	99
90) Hexachloroethane	14.335	117	132169	50.811	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	383016	48.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43802	46.538	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	205819	52.618	ug/l	99
94) Hexachlorobutadiene	15.505	225	105770	49.562	ug/l	99
95) Naphthalene	15.647	128	603471	46.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	196627	53.783	ug/l	99

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

