

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053024\
 Data File : VN082395.D
 Acq On : 30 May 2024 17:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2024
 Supervised By : Mahesh Dadoda 05/31/2024

Quant Time: May 31 03:29:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	189930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	153342	51.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.260%			
35) Dibromofluoromethane	8.165	113	106905	53.093	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	10.565	98	384859	49.854	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.847	95	141347	51.299	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 102.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	118424	43.247	ug/l	99
3) Chloromethane	2.359	50	130534	42.062	ug/l	100
4) Vinyl Chloride	2.512	62	128383	44.005	ug/l	98
5) Bromomethane	2.954	94	75134	44.804	ug/l	94
6) Chloroethane	3.118	64	88313	46.359	ug/l	99
7) Trichlorofluoromethane	3.495	101	177719	46.519	ug/l	99
8) Diethyl Ether	3.959	74	74338	54.622	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.371	101	101484	45.474	ug/l	98
10) Methyl Iodide	4.589	142	115623	51.537	ug/l	93
11) Tert butyl alcohol	5.512	59	116751	242.517	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98837	47.649	ug/l #	80
13) Acrolein	4.177	56	68822	192.917	ug/l	96
14) Allyl chloride	5.018	41	200605	45.171	ug/l #	90
15) Acrylonitrile	5.718	53	317278	254.473	ug/l	99
16) Acetone	4.424	43	278355	226.257	ug/l	92
17) Carbon Disulfide	4.712	76	251778	37.582	ug/l	100
18) Methyl Acetate	5.018	43	166527	54.353	ug/l #	86
19) Methyl tert-butyl Ether	5.795	73	412595	54.419	ug/l	93
20) Methylene Chloride	5.277	84	122046	49.169	ug/l #	76
21) trans-1,2-Dichloroethene	5.789	96	106392	47.067	ug/l #	79
22) Diisopropyl ether	6.671	45	487671	52.588	ug/l #	93
23) Vinyl Acetate	6.600	43	1873276	256.213	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	238893	49.980	ug/l	96
25) 2-Butanone	7.483	43	456390	244.678	ug/l #	84
26) 2,2-Dichloropropane	7.489	77	168290	42.036	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	138221	51.814	ug/l	86
28) Bromochloromethane	7.812	49	104573	50.355	ug/l #	77
29) Tetrahydrofuran	7.836	42	305816	255.356	ug/l #	84
30) Chloroform	7.965	83	242739	53.181	ug/l	99
31) Cyclohexane	8.253	56	184514	38.521	ug/l	88
32) 1,1,1-Trichloroethane	8.165	97	208108	51.392	ug/l	95
36) 1,1-Dichloropropene	8.371	75	156953	46.477	ug/l	97
37) Ethyl Acetate	7.559	43	192737	50.998	ug/l #	94
38) Carbon Tetrachloride	8.359	117	174120	50.863	ug/l	97
39) Methylcyclohexane	9.600	83	162392	43.870	ug/l #	85
40) Benzene	8.606	78	505543	50.202	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	113271	50.962	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	201871	52.122	ug/l	96
43) Isopropyl Acetate	8.688	43	360231	53.793	ug/l #	89
44) Trichloroethene	9.353	130	110590	48.345	ug/l	90
45) 1,2-Dichloropropane	9.624	63	133047	51.206	ug/l	98
46) Dibromomethane	9.706	93	90119	52.830	ug/l	98
47) Bromodichloromethane	9.888	83	193991	53.869	ug/l	99
48) Methyl methacrylate	9.683	41	170457	53.419	ug/l #	82
49) 1,4-Dioxane	9.694	88	50241	1123.610	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1017600	267.451	ug/l	90
52) Toluene	10.630	92	310346	51.354	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	200330	53.788	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	205711	52.180	ug/l #	80
55) 1,1,2-Trichloroethane	11.018	97	118467	53.943	ug/l	99
56) Ethyl methacrylate	10.871	69	211591	56.748	ug/l #	69
57) 1,3-Dichloropropane	11.165	76	215044	52.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	495766	257.779	ug/l	91
59) 2-Hexanone	11.194	43	735506	264.010	ug/l	90
60) Dibromochloromethane	11.359	129	146307	60.368	ug/l	100
61) 1,2-Dibromoethane	11.471	107	119665	53.049	ug/l	100
64) Tetrachloroethene	11.106	164	109528	49.767	ug/l	94
65) Chlorobenzene	11.894	112	331201	50.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	121268	56.125	ug/l	100
67) Ethyl Benzene	11.965	91	595712	50.768	ug/l	98
68) m/p-Xylenes	12.071	106	443260	103.069	ug/l	94
69) o-Xylene	12.400	106	216222	51.903	ug/l	91
70) Styrene	12.412	104	381983	55.203	ug/l	96
71) Bromoform	12.582	173	94481	54.910	ug/l #	97
73) Isopropylbenzene	12.694	105	558537	50.282	ug/l	98
74) N-amyl acetate	12.494	43	309765	50.697	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	162878	50.867	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	155349m	52.787	ug/l	
77) Bromobenzene	12.982	156	135355	51.131	ug/l	89
78) n-propylbenzene	13.035	91	659225	50.117	ug/l	97
79) 2-Chlorotoluene	13.123	91	406881	49.260	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	456238	50.795	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	61167	48.614	ug/l #	84
82) 4-Chlorotoluene	13.223	91	401954	49.773	ug/l	96
83) tert-Butylbenzene	13.441	119	394231	50.170	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	466672	50.784	ug/l	99
85) sec-Butylbenzene	13.618	105	550026	50.500	ug/l	98
86) p-Isopropyltoluene	13.729	119	459547	51.917	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	244314	50.942	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	242598	49.562	ug/l	97
89) n-Butylbenzene	14.059	91	399932	50.268	ug/l	99
90) Hexachloroethane	14.335	117	84963	51.807	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	238645	52.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	35958	54.657	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	130009	51.091	ug/l	97
94) Hexachlorobutadiene	15.506	225	52201	46.751	ug/l	98
95) Naphthalene	15.641	128	442367	55.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	129808	50.957	ug/l	97

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

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