

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082673.D
 Acq On : 20 Jun 2024 17:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2024
 Supervised By : Mahesh Dadoda 06/21/2024

Quant Time: Jun 21 02:09:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	272623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	260408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126897	48.284	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.560%		
35) Dibromofluoromethane	8.171	113	89683	48.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	10.570	98	341455	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.853	95	121100	50.223	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	100.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	111422	48.680	ug/l	99
3) Chloromethane	2.359	50	123832	45.131	ug/l	97
4) Vinyl Chloride	2.512	62	137096	52.503	ug/l	98
5) Bromomethane	2.936	94	65055	38.702	ug/l	93
6) Chloroethane	3.106	64	94684	50.851	ug/l	100
7) Trichlorofluoromethane	3.489	101	170624	50.085	ug/l	94
8) Diethyl Ether	3.959	74	59007	50.860	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	97353	51.019	ug/l	98
10) Methyl Iodide	4.583	142	60022	33.022	ug/l	96
11) Tert butyl alcohol	5.530	59	116061	269.826	ug/l	99
12) 1,1-Dichloroethene	4.341	96	87730	48.079	ug/l	98
13) Acrolein	4.183	56	90140	205.720	ug/l	99
14) Allyl chloride	5.024	41	192949	54.067	ug/l	90
15) Acrylonitrile	5.724	53	311826	274.642	ug/l	99
16) Acetone	4.430	43	279728	234.034	ug/l	96
17) Carbon Disulfide	4.712	76	257135	44.372	ug/l	99
18) Methyl Acetate	5.030	43	155218	53.096	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	336399	53.857	ug/l	99
20) Methylene Chloride	5.277	84	105743	50.321	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	95623	49.308	ug/l	98
22) Diisopropyl ether	6.677	45	401609	53.661	ug/l	95
23) Vinyl Acetate	6.606	43	1634583	275.418	ug/l	99
24) 1,1-Dichloroethane	6.571	63	209652	51.711	ug/l	99
25) 2-Butanone	7.488	43	464030	273.137	ug/l	99
26) 2,2-Dichloropropane	7.494	77	181980	51.742	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	116096	49.684	ug/l	99
28) Bromochloromethane	7.818	49	96764	52.299	ug/l	100
29) Tetrahydrofuran	7.841	42	314822	302.707	ug/l	100
30) Chloroform	7.971	83	208049	52.607	ug/l	99
31) Cyclohexane	8.259	56	177841	46.888	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	183303	51.112	ug/l	98
36) 1,1-Dichloropropene	8.371	75	146493	52.987	ug/l	99
37) Ethyl Acetate	7.565	43	182152	51.722	ug/l	99
38) Carbon Tetrachloride	8.365	117	160990	51.670	ug/l	100
39) Methylcyclohexane	9.606	83	148866	51.164	ug/l	99
40) Benzene	8.612	78	448708	52.525	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	103943	57.740	ug/l	98
42) 1,2-Dichloroethane	8.671	62	172823	53.186	ug/l	100
43) Isopropyl Acetate	8.694	43	319112	48.486	ug/l	99
44) Trichloroethene	9.353	130	98152	49.480	ug/l	95
45) 1,2-Dichloropropane	9.623	63	116481	52.973	ug/l	99
46) Dibromomethane	9.712	93	79836	53.561	ug/l	99
47) Bromodichloromethane	9.894	83	167884	52.830	ug/l	99
48) Methyl methacrylate	9.688	41	153002	56.392	ug/l	99
49) 1,4-Dioxane	9.700	88	51019	1202.165	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1003725	297.332	ug/l	100
52) Toluene	10.635	92	279996	54.083	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	177129	54.524	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	184511	54.924	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	105628	56.370	ug/l	98
56) Ethyl methacrylate	10.876	69	180947	58.304	ug/l	99
57) 1,3-Dichloropropane	11.165	76	192369	55.533	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	471729	287.333	ug/l	99
59) 2-Hexanone	11.200	43	765852	298.492	ug/l	100
60) Dibromochloromethane	11.365	129	130084	56.870	ug/l	99
61) 1,2-Dibromoethane	11.470	107	107225	54.273	ug/l	97
64) Tetrachloroethene	11.106	164	97555	45.435	ug/l	97
65) Chlorobenzene	11.894	112	303304	50.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	111146	52.197	ug/l	99
67) Ethyl Benzene	11.965	91	542403	53.307	ug/l	100
68) m/p-Xylenes	12.070	106	415326	109.717	ug/l	100
69) o-Xylene	12.400	106	196883	55.359	ug/l	98
70) Styrene	12.412	104	346399	57.387	ug/l	99
71) Bromoform	12.582	173	93701	55.659	ug/l #	99
73) Isopropylbenzene	12.700	105	503176	49.875	ug/l	99
74) N-amyl acetate	12.494	43	284455	52.831	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	163327	49.631	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	159959m	49.225	ug/l	
77) Bromobenzene	12.982	156	125675	48.396	ug/l	98
78) n-propylbenzene	13.041	91	619636	51.923	ug/l	100
79) 2-Chlorotoluene	13.129	91	375334	50.153	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	434336	53.050	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	73668	54.237	ug/l	97
82) 4-Chlorotoluene	13.223	91	376784	50.400	ug/l	100
83) tert-Butylbenzene	13.441	119	365862	52.461	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	439799	53.549	ug/l	99
85) sec-Butylbenzene	13.617	105	517610	52.260	ug/l	99
86) p-Isopropyltoluene	13.729	119	432834	54.268	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	236226	50.171	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	233186	47.382	ug/l	100
89) n-Butylbenzene	14.059	91	373364	52.773	ug/l	100
90) Hexachloroethane	14.335	117	85470	49.251	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	225492	49.048	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36644	52.615	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	116201	47.933	ug/l	99
94) Hexachlorobutadiene	15.505	225	51309	42.926	ug/l	98
95) Naphthalene	15.641	128	406984	54.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	119954	48.554	ug/l	97

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

