

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080805.D
 Acq On : 30 Jan 2024 10:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 31 02:06:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	115660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	208151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	94786	47.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.740%		
35) Dibromofluoromethane	8.165	113	68589	47.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	10.565	98	269153	47.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.847	95	95044	47.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	85148	49.565	ug/l	99
3) Chloromethane	2.359	50	127146	49.237	ug/l	99
4) Vinyl Chloride	2.512	62	102282	52.099	ug/l #	86
5) Bromomethane	2.942	94	42072	53.577	ug/l	96
6) Chloroethane	3.118	64	56711	54.182	ug/l	95
7) Trichlorofluoromethane	3.494	101	120229	47.318	ug/l	94
8) Diethyl Ether	3.959	74	63164	53.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	72765	49.111	ug/l	96
10) Methyl Iodide	4.583	142	63161	50.498	ug/l	97
11) Tert butyl alcohol	5.512	59	71899	220.436	ug/l	98
12) 1,1-Dichloroethene	4.336	96	75268	46.362	ug/l	92
13) Acrolein	4.171	56	96229	233.956	ug/l	100
14) Allyl chloride	5.012	41	157598	49.112	ug/l	97
15) Acrylonitrile	5.712	53	236055	240.640	ug/l	97
16) Acetone	4.424	43	158634	218.604	ug/l	100
17) Carbon Disulfide	4.712	76	239103	47.308	ug/l	96
18) Methyl Acetate	5.018	43	127747	50.512	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	288068	50.358	ug/l	94
20) Methylene Chloride	5.277	84	94340	49.525	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	85052	48.221	ug/l	100
22) Diisopropyl ether	6.671	45	369939	52.249	ug/l	96
23) Vinyl Acetate	6.600	43	1403033	273.869	ug/l	99
24) 1,1-Dichloroethane	6.565	63	180908	50.381	ug/l	99
25) 2-Butanone	7.477	43	317540	230.378	ug/l	97
26) 2,2-Dichloropropane	7.488	77	146757	50.566	ug/l	94
27) cis-1,2-Dichloroethene	7.482	96	101745	49.833	ug/l	98
28) Bromochloromethane	7.812	49	92620	48.718	ug/l	99
29) Tetrahydrofuran	7.835	42	221251	237.224	ug/l	100
30) Chloroform	7.965	83	164931	49.440	ug/l	99
31) Cyclohexane	8.253	56	159556	46.503	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	136363	50.407	ug/l	96
36) 1,1-Dichloropropene	8.371	75	133154	49.289	ug/l	98
37) Ethyl Acetate	7.553	43	136930	49.237	ug/l	95
38) Carbon Tetrachloride	8.359	117	107214	49.256	ug/l	98
39) Methylcyclohexane	9.600	83	128877	47.995	ug/l	92
40) Benzene	8.606	78	397308	50.039	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	77477	47.268	ug/l	91
42) 1,2-Dichloroethane	8.671	62	135671	52.448	ug/l	99
43) Isopropyl Acetate	8.682	43	246246	48.634	ug/l	99
44) Trichloroethene	9.353	130	81068	46.355	ug/l	95
45) 1,2-Dichloropropane	9.623	63	113761	52.943	ug/l	93
46) Dibromomethane	9.706	93	62097	48.750	ug/l	98
47) Bromodichloromethane	9.888	83	132204	51.121	ug/l #	98
48) Methyl methacrylate	9.676	41	113904	46.403	ug/l	98
49) 1,4-Dioxane	9.694	88	27327	924.230	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	699205	247.028	ug/l	99
52) Toluene	10.629	92	231606	50.874	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	157785	52.373	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	171352	52.303	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	87098	49.782	ug/l	97
56) Ethyl methacrylate	10.870	69	150464	55.943	ug/l	97
57) 1,3-Dichloropropane	11.165	76	169472	51.469	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	384229	245.057	ug/l	99
59) 2-Hexanone	11.194	43	508404	231.238	ug/l	98
60) Dibromochloromethane	11.365	129	82709	50.823	ug/l	97
61) 1,2-Dibromoethane	11.470	107	83979	51.216	ug/l	98
64) Tetrachloroethene	11.100	164	63867	46.681	ug/l	90
65) Chlorobenzene	11.888	112	220179	48.467	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	73240	49.578	ug/l	97
67) Ethyl Benzene	11.965	91	421267	49.892	ug/l	99
68) m/p-Xylenes	12.070	106	308392	102.846	ug/l	99
69) o-Xylene	12.400	106	152318	51.121	ug/l	99
70) Styrene	12.412	104	249381	52.115	ug/l	99
71) Bromoform	12.576	173	48262	48.317	ug/l #	94
73) Isopropylbenzene	12.694	105	367532	51.028	ug/l	98
74) N-amyl acetate	12.494	43	218370	48.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	116990	46.176	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	106298m	44.811	ug/l	
77) Bromobenzene	12.982	156	75301	48.908	ug/l	99
78) n-propylbenzene	13.035	91	452184	52.551	ug/l	98
79) 2-Chlorotoluene	13.129	91	269201	49.223	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	298388	52.019	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	52510	57.026	ug/l	92
82) 4-Chlorotoluene	13.223	91	272090	50.245	ug/l	98
83) tert-Butylbenzene	13.441	119	232815	50.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	297698	51.223	ug/l	100
85) sec-Butylbenzene	13.617	105	351657	52.072	ug/l	98
86) p-Isopropyltoluene	13.729	119	274093	52.227	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	135950	49.366	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	138755	50.255	ug/l	100
89) n-Butylbenzene	14.059	91	269020	52.382	ug/l	100
90) Hexachloroethane	14.335	117	47796	52.048	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	131882	52.322	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	22519	47.552	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	64655	49.837	ug/l	97
94) Hexachlorobutadiene	15.505	225	25908	45.711	ug/l	96
95) Naphthalene	15.641	128	240590	48.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	63424	49.737	ug/l	97

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

