

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022025\
 Data File : VN085794.D
 Acq On : 20 Feb 2025 10:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 21 00:55:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/21/2025
 Supervised By : Mahesh Dadoda 02/21/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	291730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	464959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	420832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	213556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	189807	50.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	8.159	113	161567	53.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.200%			
50) Toluene-d8	10.559	98	606795	54.817	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.640%			
62) 4-Bromofluorobenzene	12.841	95	208736	57.233	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	193731	48.822	ug/l	97
3) Chloromethane	2.359	50	179082	44.975	ug/l	98
4) Vinyl Chloride	2.518	62	194289	46.084	ug/l	99
5) Bromomethane	2.959	94	121048	44.903	ug/l	99
6) Chloroethane	3.124	64	123277	44.145	ug/l	97
7) Trichlorofluoromethane	3.500	101	283937	46.516	ug/l	99
8) Diethyl Ether	3.959	74	91752	46.456	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	169892	48.150	ug/l	100
10) Methyl Iodide	4.589	142	203909	46.883	ug/l	98
11) Tert butyl alcohol	5.500	59	88444	190.128	ug/l	99
12) 1,1-Dichloroethene	4.342	96	151685	47.413	ug/l	97
13) Acrolein	4.171	56	162393	235.409	ug/l	97
14) Allyl chloride	5.018	41	189098	45.020	ug/l	98
15) Acrylonitrile	5.712	53	347094	229.519	ug/l	100
16) Acetone	4.418	43	279966	233.939	ug/l	99
17) Carbon Disulfide	4.712	76	421906	44.498	ug/l	100
18) Methyl Acetate	5.018	43	178505	43.366	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	470449	49.486	ug/l	99
20) Methylene Chloride	5.271	84	178239	46.313	ug/l	99
21) trans-1,2-Dichloroethene	5.788	96	162801	47.260	ug/l	96
22) Diisopropyl ether	6.665	45	479131	50.482	ug/l	99
23) Vinyl Acetate	6.594	43	1578653	242.924	ug/l	100
24) 1,1-Dichloroethane	6.565	63	307594	47.675	ug/l	98
25) 2-Butanone	7.471	43	407411	231.399	ug/l	98
26) 2,2-Dichloropropane	7.488	77	270409	47.133	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	192710	48.247	ug/l	99
28) Bromochloromethane	7.806	49	139577	52.634	ug/l	98
29) Tetrahydrofuran	7.830	42	275135	241.999	ug/l	98
30) Chloroform	7.959	83	320770	47.574	ug/l	96
31) Cyclohexane	8.253	56	238690	44.185	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	285810	47.658	ug/l	99
36) 1,1-Dichloropropene	8.365	75	220031	51.100	ug/l	100
37) Ethyl Acetate	7.553	43	172764	48.755	ug/l	98
38) Carbon Tetrachloride	8.359	117	254658	49.774	ug/l	96
39) Methylcyclohexane	9.594	83	222912	52.696	ug/l	98
40) Benzene	8.600	78	695993	50.432	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	98118	51.797	ug/l	99
42) 1,2-Dichloroethane	8.665	62	223169	49.645	ug/l	100
43) Isopropyl Acetate	8.682	43	284107	45.637	ug/l	98
44) Trichloroethene	9.347	130	163505	48.253	ug/l	95
45) 1,2-Dichloropropane	9.618	63	168743	50.655	ug/l	100
46) Dibromomethane	9.700	93	117784	50.126	ug/l	100
47) Bromodichloromethane	9.882	83	254961	50.716	ug/l	96
48) Methyl methacrylate	9.671	41	134279	51.025	ug/l	97
49) 1,4-Dioxane	9.688	88	47413	947.434	ug/l	96
51) 4-Methyl-2-Pentanone	10.435	43	869528	254.514	ug/l	100
52) Toluene	10.623	92	438222	54.170	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	243812	52.449	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	266236	52.229	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	160516	49.905	ug/l	96
56) Ethyl methacrylate	10.871	69	224900	48.778	ug/l	99
57) 1,3-Dichloropropane	11.159	76	273721	50.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	553329	291.021	ug/l	99
59) 2-Hexanone	11.188	43	618042	262.961	ug/l	98
60) Dibromochloromethane	11.353	129	194098	51.823	ug/l	98
61) 1,2-Dibromoethane	11.465	107	156178	51.391	ug/l	98
64) Tetrachloroethene	11.100	164	160571	49.252	ug/l	97
65) Chlorobenzene	11.888	112	465504	48.286	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.953	131	167969	48.474	ug/l	99
67) Ethyl Benzene	11.959	91	801295	53.060	ug/l	99
68) m/p-Xylenes	12.065	106	635164	110.727	ug/l	100
69) o-Xylene	12.394	106	292138	53.594	ug/l	99
70) Styrene	12.406	104	506734	49.959	ug/l	99
71) Bromoform	12.570	173	127304	49.442	ug/l #	97
73) Isopropylbenzene	12.688	105	735181	50.249	ug/l	99
74) N-amyl acetate	12.488	43	240135	46.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.929	83	218988	43.497	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	192062m	40.487	ug/l	
77) Bromobenzene	12.976	156	190662	48.235	ug/l	99
78) n-propylbenzene	13.029	91	881218	52.593	ug/l	99
79) 2-Chlorotoluene	13.117	91	549013	49.041	ug/l	99
80) 1,3,5-Trimethylbenzene	13.164	105	637836	53.518	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	74714m	45.954	ug/l	
82) 4-Chlorotoluene	13.217	91	562564	50.689	ug/l	99
83) tert-Butylbenzene	13.435	119	523857	52.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	650080	55.132	ug/l	99
85) sec-Butylbenzene	13.611	105	737694	52.097	ug/l	100
86) p-Isopropyltoluene	13.723	119	629789	48.661	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	352400	47.585	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	345155	45.474	ug/l	99
89) n-Butylbenzene	14.053	91	514244	51.151	ug/l	98
90) Hexachloroethane	14.329	117	121415	45.275	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	335545	47.118	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	37082	40.111	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	159091	46.883	ug/l	99
94) Hexachlorobutadiene	15.494	225	84406	40.928	ug/l	98
95) Naphthalene	15.635	128	414005	44.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	150754	44.252	ug/l	99

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

