

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086166.D
 Acq On : 28 Mar 2025 21:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

Quant Time: Mar 28 23:41:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	210321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144102	50.035	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.080%			
35) Dibromofluoromethane	8.165	113	121452	50.259	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	10.565	98	454147	51.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.847	95	163231	52.188	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122243	43.871	ug/l	98
3) Chloromethane	2.359	50	118433	48.483	ug/l	98
4) Vinyl Chloride	2.512	62	112930	45.214	ug/l	97
5) Bromomethane	2.948	94	66225	38.926	ug/l	100
6) Chloroethane	3.118	64	63977	40.603	ug/l	90
7) Trichlorofluoromethane	3.495	101	205293	45.724	ug/l	100
8) Diethyl Ether	3.959	74	76454	55.623	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	120047	50.307	ug/l	97
10) Methyl Iodide	4.583	142	163244	52.502	ug/l	98
11) Tert butyl alcohol	5.518	59	92992	228.057	ug/l	100
12) 1,1-Dichloroethene	4.336	96	114328	53.059	ug/l	97
13) Acrolein	4.177	56	91822	211.130	ug/l	99
14) Allyl chloride	5.024	41	142688	53.081	ug/l	97
15) Acrylonitrile	5.718	53	293060	272.136	ug/l	99
16) Acetone	4.424	43	214194	243.438	ug/l	98
17) Carbon Disulfide	4.712	76	311422	43.947	ug/l	100
18) Methyl Acetate	5.024	43	131325	60.325	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	383754	54.350	ug/l	98
20) Methylene Chloride	5.277	84	135468	52.630	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	120012	50.965	ug/l	98
22) Diisopropyl ether	6.671	45	345577	60.327	ug/l	97
23) Vinyl Acetate	6.600	43	1221019	281.179	ug/l	98
24) 1,1-Dichloroethane	6.565	63	227813	54.082	ug/l	98
25) 2-Butanone	7.477	43	334165	263.205	ug/l	93
26) 2,2-Dichloropropane	7.488	77	173095	42.682	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	144497	53.999	ug/l	99
28) Bromochloromethane	7.812	49	92492	51.825	ug/l	95
29) Tetrahydrofuran	7.836	42	222796	284.249	ug/l	96
30) Chloroform	7.965	83	240863	51.731	ug/l	99
31) Cyclohexane	8.253	56	180993	50.437	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	220735	50.083	ug/l	99
36) 1,1-Dichloropropene	8.371	75	162469	51.059	ug/l	100
37) Ethyl Acetate	7.559	43	133256	49.640	ug/l	99
38) Carbon Tetrachloride	8.359	117	201902	48.258	ug/l	98
39) Methylcyclohexane	9.600	83	158641	50.251	ug/l	95
40) Benzene	8.606	78	526888	52.747	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	71913	56.102	ug/l	97
42) 1,2-Dichloroethane	8.665	62	167466	48.114	ug/l	97
43) Isopropyl Acetate	8.683	43	238567	41.012	ug/l	97
44) Trichloroethene	9.347	130	124823	48.215	ug/l	98
45) 1,2-Dichloropropane	9.618	63	127012	55.905	ug/l	99
46) Dibromomethane	9.706	93	90461	50.629	ug/l	100
47) Bromodichloromethane	9.888	83	194310	52.036	ug/l	97
48) Methyl methacrylate	9.677	41	108500	56.523	ug/l	96
49) 1,4-Dioxane	9.688	88	49659	1094.348	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	716542	279.305	ug/l	99
52) Toluene	10.629	92	339293	55.343	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	190340	52.486	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	202406	52.900	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	126840	54.206	ug/l	98
56) Ethyl methacrylate	10.871	69	191873	52.120	ug/l	98
57) 1,3-Dichloropropane	11.159	76	213808	53.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	425270	293.672	ug/l	97
59) 2-Hexanone	11.194	43	522901	279.789	ug/l	97
60) Dibromochloromethane	11.359	129	157495	52.160	ug/l	99
61) 1,2-Dibromoethane	11.465	107	124531	51.840	ug/l	98
64) Tetrachloroethene	11.100	164	121299	47.809	ug/l	97
65) Chlorobenzene	11.888	112	365826	50.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	135401	50.047	ug/l	98
67) Ethyl Benzene	11.959	91	622062	53.432	ug/l	100
68) m/p-Xylenes	12.071	106	497171	108.650	ug/l	99
69) o-Xylene	12.394	106	237972	56.663	ug/l	97
70) Styrene	12.406	104	406282	56.637	ug/l	98
71) Bromoform	12.576	173	108020	47.761	ug/l #	99
73) Isopropylbenzene	12.694	105	584723	52.045	ug/l	99
74) N-amyl acetate	12.494	43	203109	54.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	179170	47.139	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	166177m	45.116	ug/l	
77) Bromobenzene	12.976	156	151277	48.289	ug/l	99
78) n-propylbenzene	13.035	91	684572	53.810	ug/l	99
79) 2-Chlorotoluene	13.123	91	433706	51.326	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	506789	53.428	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61105	43.860	ug/l	97
82) 4-Chlorotoluene	13.218	91	444967	51.207	ug/l	99
83) tert-Butylbenzene	13.435	119	413288	50.944	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	512402	53.558	ug/l	99
85) sec-Butylbenzene	13.612	105	576561	54.479	ug/l	99
86) p-Isopropyltoluene	13.729	119	483106	53.926	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	279358	49.472	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	276384	46.585	ug/l	100
89) n-Butylbenzene	14.053	91	381961	52.357	ug/l	99
90) Hexachloroethane	14.329	117	96912	46.882	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	271654	48.393	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	34252	45.144	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	132728	47.024	ug/l	99
94) Hexachlorobutadiene	15.494	225	66925	40.869	ug/l	99
95) Naphthalene	15.635	128	396774	48.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	132370	49.424	ug/l	99

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

