

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	241607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	411898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	157875	40.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.960%		
35) Dibromofluoromethane	8.165	113	131308	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	10.565	98	465243	45.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.640%		
62) 4-Bromofluorobenzene	12.847	95	166462	47.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	192410	58.818	ug/l	98
3) Chloromethane	2.359	50	181673	51.292	ug/l	100
4) Vinyl Chloride	2.512	62	195589	54.939	ug/l	100
5) Bromomethane	2.948	94	122027	56.744	ug/l	100
6) Chloroethane	3.118	64	119049	52.745	ug/l	99
7) Trichlorofluoromethane	3.495	101	270810	52.425	ug/l	96
8) Diethyl Ether	3.959	74	91559	51.307	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	155660	53.501	ug/l	97
10) Methyl Iodide	4.589	142	203473	61.069	ug/l	96
11) Tert butyl alcohol	5.512	59	114710	256.863	ug/l	99
12) 1,1-Dichloroethene	4.336	96	146443	56.476	ug/l	92
13) Acrolein	4.177	56	139038	228.072	ug/l	100
14) Allyl chloride	5.018	41	193504	45.989	ug/l	95
15) Acrylonitrile	5.712	53	355596	250.688	ug/l	100
16) Acetone	4.424	43	276269	219.237	ug/l	98
17) Carbon Disulfide	4.712	76	427663	53.566	ug/l	99
18) Methyl Acetate	5.018	43	176790	46.137	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	470925	55.931	ug/l	97
20) Methylene Chloride	5.271	84	164787	52.824	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	155667	56.174	ug/l	93
22) Diisopropyl ether	6.665	45	462658	49.540	ug/l	96
23) Vinyl Acetate	6.600	43	1688980	258.421	ug/l	96
24) 1,1-Dichloroethane	6.565	63	291144	51.127	ug/l	99
25) 2-Butanone	7.477	43	438213	236.309	ug/l	93
26) 2,2-Dichloropropane	7.488	77	261553	56.810	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	182906	56.038	ug/l	93
28) Bromochloromethane	7.812	49	110911	41.864	ug/l	86
29) Tetrahydrofuran	7.835	42	295924	251.701	ug/l	91
30) Chloroform	7.959	83	298754	50.761	ug/l	99
31) Cyclohexane	8.253	56	234592	47.397	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	269415	52.186	ug/l	95
36) 1,1-Dichloropropene	8.365	75	211667	52.778	ug/l	99
37) Ethyl Acetate	7.553	43	181473	44.830	ug/l #	95
38) Carbon Tetrachloride	8.359	117	240761	52.438	ug/l	99
39) Methylcyclohexane	9.600	83	213394	56.623	ug/l	98
40) Benzene	8.600	78	650627	53.993	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	98861	46.941	ug/l	93
42) 1,2-Dichloroethane	8.665	62	221021	48.699	ug/l	98
43) Isopropyl Acetate	8.682	43	318250	49.064	ug/l	96
44) Trichloroethene	9.353	130	153175	54.607	ug/l	98
45) 1,2-Dichloropropane	9.618	63	155167	50.412	ug/l	99
46) Dibromomethane	9.706	93	112504	50.656	ug/l	95
47) Bromodichloromethane	9.882	83	237704	52.534	ug/l	99
48) Methyl methacrylate	9.677	41	145329	49.787	ug/l	91
49) 1,4-Dioxane	9.688	88	54097	1100.520	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	919856	244.385	ug/l	93
52) Toluene	10.624	92	400834	57.408	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	239629	56.040	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	259548	56.825	ug/l	91
55) 1,1,2-Trichloroethane	11.012	97	148967	53.911	ug/l	98
56) Ethyl methacrylate	10.871	69	230843	49.609	ug/l #	89
57) 1,3-Dichloropropane	11.159	76	259008	53.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	541567	308.848	ug/l	97
59) 2-Hexanone	11.194	43	670291	253.089	ug/l	92
60) Dibromochloromethane	11.353	129	181993	54.555	ug/l	99
61) 1,2-Dibromoethane	11.465	107	144770	52.634	ug/l	97
64) Tetrachloroethene	11.100	164	140272	57.525	ug/l	99
65) Chlorobenzene	11.888	112	432562	55.205	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	154927	53.873	ug/l	99
67) Ethyl Benzene	11.959	91	752758	58.984	ug/l	99
68) m/p-Xylenes	12.070	106	583434	123.696	ug/l	96
69) o-Xylene	12.394	106	277750	61.619	ug/l	96
70) Styrene	12.406	104	467336	62.646	ug/l	98
71) Bromoform	12.576	173	119067	57.864	ug/l #	99
73) Isopropylbenzene	12.694	105	686662	56.926	ug/l	98
74) N-amyl acetate	12.488	43	262954	48.499	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	212558	49.885	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	192569m	53.011	ug/l	
77) Bromobenzene	12.976	156	171642	54.464	ug/l	96
78) n-propylbenzene	13.029	91	814210	57.018	ug/l	98
79) 2-Chlorotoluene	13.123	91	504774	54.618	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	585555	58.769	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	76460	56.947	ug/l	90
82) 4-Chlorotoluene	13.217	91	508244	55.232	ug/l	97
83) tert-Butylbenzene	13.435	119	476539	56.953	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	593942	59.810	ug/l	99
85) sec-Butylbenzene	13.612	105	673470	58.074	ug/l	99
86) p-Isopropyltoluene	13.723	119	564266	53.564	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	318256	54.836	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	313432	52.102	ug/l	98
89) n-Butylbenzene	14.053	91	469527	56.437	ug/l	99
90) Hexachloroethane	14.329	117	111568	50.537	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	306268	52.904	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39090	50.239	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	148670	55.254	ug/l	99
94) Hexachlorobutadiene	15.494	225	72416	50.694	ug/l	97
95) Naphthalene	15.635	128	453973	56.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	146543	53.826	ug/l	100

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

