

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086352.D
 Acq On : 18 Apr 2025 18:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 19 02:30:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	343427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144117	55.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	8.159	113	80893	50.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	10.565	98	451149	52.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.920%			
62) 4-Bromofluorobenzene	12.847	95	164711	53.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	105936	49.780	ug/l	99
3) Chloromethane	2.359	50	142464	46.062	ug/l	100
4) Vinyl Chloride	2.518	62	141665	47.999	ug/l	100
5) Bromomethane	2.948	94	72622	54.703	ug/l	97
6) Chloroethane	3.118	64	94195	47.686	ug/l	98
7) Trichlorofluoromethane	3.500	101	167433	51.214	ug/l	98
8) Diethyl Ether	3.959	74	70492	49.391	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	99170	50.144	ug/l	99
10) Methyl Iodide	4.589	142	122888	56.518	ug/l	100
11) Tert butyl alcohol	5.512	59	113616	239.202	ug/l	99
12) 1,1-Dichloroethene	4.342	96	103044	48.768	ug/l	96
13) Acrolein	4.177	56	62869	286.029	ug/l	98
14) Allyl chloride	5.024	41	163287	43.472	ug/l	96
15) Acrylonitrile	5.712	53	292649	249.240	ug/l	100
16) Acetone	4.424	43	233746	259.932	ug/l	96
17) Carbon Disulfide	4.712	76	265669	41.992	ug/l	99
18) Methyl Acetate	5.024	43	149852	47.955	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	391576	50.415	ug/l	99
20) Methylene Chloride	5.271	84	118984	49.441	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	109184	49.426	ug/l	95
22) Diisopropyl ether	6.671	45	399777	48.926	ug/l	99
23) Vinyl Acetate	6.600	43	1374686	240.668	ug/l	99
24) 1,1-Dichloroethane	6.565	63	218555	50.694	ug/l	98
25) 2-Butanone	7.477	43	394515	243.472	ug/l	98
26) 2,2-Dichloropropane	7.483	77	167174	43.308	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	138186	50.400	ug/l	96
28) Bromochloromethane	7.812	49	91245	49.915	ug/l	97
29) Tetrahydrofuran	7.835	42	257843	237.961	ug/l	98
30) Chloroform	7.965	83	220038	51.956	ug/l	98
31) Cyclohexane	8.253	56	193656	45.904	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	188343	51.986	ug/l	99
36) 1,1-Dichloropropene	8.371	75	154014	48.378	ug/l	99
37) Ethyl Acetate	7.553	43	156569	46.714	ug/l	99
38) Carbon Tetrachloride	8.359	117	153683	50.691	ug/l	99
39) Methylcyclohexane	9.594	83	173274	45.792	ug/l	99
40) Benzene	8.600	78	503344	49.348	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	93384	48.074	ug/l	98
42) 1,2-Dichloroethane	8.671	62	165084	50.753	ug/l	99
43) Isopropyl Acetate	8.682	43	312304	52.237	ug/l	98
44) Trichloroethene	9.347	130	117958	48.792	ug/l	99
45) 1,2-Dichloropropane	9.618	63	122922	49.232	ug/l	98
46) Dibromomethane	9.706	93	82460	51.835	ug/l	98
47) Bromodichloromethane	9.882	83	175928	51.204	ug/l	96
48) Methyl methacrylate	9.677	41	138232	46.965	ug/l	97
49) 1,4-Dioxane	9.694	88	48773	974.199	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	838695	244.370	ug/l	98
52) Toluene	10.629	92	320021	50.283	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	192559	50.206	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	201691	47.878	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	116870	51.038	ug/l	94
56) Ethyl methacrylate	10.871	69	211380	50.219	ug/l	98
57) 1,3-Dichloropropane	11.159	76	206797	50.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	481279	240.905	ug/l	99
59) 2-Hexanone	11.194	43	621138	243.997	ug/l	100
60) Dibromochloromethane	11.359	129	131028	52.109	ug/l	100
61) 1,2-Dibromoethane	11.465	107	119056	51.527	ug/l	100
64) Tetrachloroethene	11.100	164	109569	46.687	ug/l	99
65) Chlorobenzene	11.888	112	341911	50.215	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	115666	51.493	ug/l	100
67) Ethyl Benzene	11.959	91	617490	50.256	ug/l	100
68) m/p-Xylenes	12.065	106	465785	101.173	ug/l	99
69) o-Xylene	12.394	106	231160	50.772	ug/l	99
70) Styrene	12.406	104	393142	51.824	ug/l	99
71) Bromoform	12.576	173	86596	51.204	ug/l #	99
73) Isopropylbenzene	12.694	105	569378	48.568	ug/l	100
74) N-amyl acetate	12.488	43	270421	46.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	169668	50.335	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	161080m	47.629	ug/l	
77) Bromobenzene	12.976	156	128574	49.498	ug/l	98
78) n-propylbenzene	13.029	91	665697	48.189	ug/l	100
79) 2-Chlorotoluene	13.123	91	418650	48.431	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	470098	48.993	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	65676m	46.638	ug/l	
82) 4-Chlorotoluene	13.217	91	415279	48.362	ug/l	99
83) tert-Butylbenzene	13.435	119	399578	48.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	477910	48.931	ug/l	100
85) sec-Butylbenzene	13.612	105	557574	48.350	ug/l	100
86) p-Isopropyltoluene	13.723	119	460590	48.456	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	241649	49.487	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	245497	49.915	ug/l	99
89) n-Butylbenzene	14.053	91	391489	46.466	ug/l	98
90) Hexachloroethane	14.329	117	79463	49.700	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	243354	51.403	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35611	52.395	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	114132	50.346	ug/l	100
94) Hexachlorobutadiene	15.500	225	40826	47.708	ug/l	97
95) Naphthalene	15.635	128	414358	51.562	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	107271	49.981	ug/l	99

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

