

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086835.D
 Acq On : 03 Jun 2025 11:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 04 01:55:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	307948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	547716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	465701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	188683	44.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.680%		
35) Dibromofluoromethane	8.159	113	160095	49.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	10.565	98	637225	47.141	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.847	95	223984	46.928	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	153950	46.292	ug/l	98
3) Chloromethane	2.371	50	289421	57.538	ug/l	100
4) Vinyl Chloride	2.530	62	190736	42.222	ug/l	99
5) Bromomethane	2.971	94	88667	34.047	ug/l	95
6) Chloroethane	3.130	64	126638	42.793	ug/l	95
7) Trichlorofluoromethane	3.501	101	244610	45.310	ug/l	98
8) Diethyl Ether	3.942	74	109782	49.225	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	159015	49.201	ug/l	97
10) Methyl Iodide	4.565	142	57855	14.391	ug/l	96
11) Tert butyl alcohol	5.506	59	157100	202.712	ug/l	100
12) 1,1-Dichloroethene	4.324	96	158112	46.033	ug/l	97
13) Acrolein	4.159	56	173135	208.978	ug/l	100
14) Allyl chloride	5.006	41	274585	52.817	ug/l	89
15) Acrylonitrile	5.706	53	438703	228.627	ug/l	99
16) Acetone	4.412	43	368488	231.498	ug/l	97
17) Carbon Disulfide	4.700	76	412471	43.374	ug/l	100
18) Methyl Acetate	5.006	43	201572	45.245	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	570859	48.811	ug/l	100
20) Methylene Chloride	5.259	84	187165	44.558	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	166808	45.934	ug/l	98
22) Diisopropyl ether	6.659	45	564549	48.133	ug/l	96
23) Vinyl Acetate	6.589	43	2085731	236.612	ug/l	99
24) 1,1-Dichloroethane	6.559	63	321909	46.747	ug/l	99
25) 2-Butanone	7.471	43	575227	233.860	ug/l	99
26) 2,2-Dichloropropane	7.483	77	285983	50.324	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	210904	47.315	ug/l	99
28) Bromochloromethane	7.806	49	127915	40.885	ug/l	98
29) Tetrahydrofuran	7.830	42	361502	225.166	ug/l	100
30) Chloroform	7.959	83	317944	46.129	ug/l	98
31) Cyclohexane	8.247	56	284142	44.491	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	268075	46.131	ug/l	98
36) 1,1-Dichloropropene	8.365	75	230441	47.895	ug/l	99
37) Ethyl Acetate	7.553	43	221227	45.518	ug/l	99
38) Carbon Tetrachloride	8.353	117	224173	47.288	ug/l	100
39) Methylcyclohexane	9.594	83	274893	52.788	ug/l	99
40) Benzene	8.600	78	745853	47.520	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086835.D
 Acq On : 03 Jun 2025 11:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:55:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	130423	49.700	ug/l	96
42) 1,2-Dichloroethane	8.665	62	223446	45.695	ug/l	98
43) Isopropyl Acetate	8.683	43	389548	39.981	ug/l	95
44) Trichloroethene	9.347	130	175494	46.357	ug/l	97
45) 1,2-Dichloropropane	9.618	63	182848	49.039	ug/l	96
46) Dibromomethane	9.706	93	117499	46.702	ug/l	99
47) Bromodichloromethane	9.882	83	253716	48.943	ug/l	99
48) Methyl methacrylate	9.677	41	180469	47.800	ug/l	95
49) 1,4-Dioxane	9.694	88	66897	836.780	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	1105000	224.893	ug/l	98
52) Toluene	10.624	92	459688	47.122	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	282190	51.414	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	305118	50.926	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	168827	46.394	ug/l	98
56) Ethyl methacrylate	10.871	69	293439	50.223	ug/l	98
57) 1,3-Dichloropropane	11.159	76	296991	47.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	720635	275.970	ug/l	100
59) 2-Hexanone	11.194	43	754763	210.353	ug/l	97
60) Dibromochloromethane	11.353	129	190576	49.972	ug/l	98
61) 1,2-Dibromoethane	11.465	107	170375	46.591	ug/l	100
64) Tetrachloroethene	11.100	164	142144	39.844	ug/l	96
65) Chlorobenzene	11.888	112	492826	48.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	167267	50.738	ug/l	99
67) Ethyl Benzene	11.959	91	860307	49.185	ug/l	97
68) m/p-Xylenes	12.071	106	666930	100.667	ug/l	97
69) o-Xylene	12.394	106	325037	49.349	ug/l	100
70) Styrene	12.412	104	543718	50.421	ug/l	100
71) Bromoform	12.576	173	120798	51.523	ug/l #	99
73) Isopropylbenzene	12.694	105	795110	49.371	ug/l	100
74) N-amyl acetate	12.500	43	317518	47.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	242010	48.914	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	216438m	45.896	ug/l	
77) Bromobenzene	12.976	156	186125	45.944	ug/l	99
78) n-propylbenzene	13.035	91	914832	49.499	ug/l	99
79) 2-Chlorotoluene	13.123	91	565770	47.081	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	644639	49.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	107382	57.465	ug/l	88
82) 4-Chlorotoluene	13.218	91	566090	47.548	ug/l	99
83) tert-Butylbenzene	13.435	119	552125	49.068	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	654762	50.959	ug/l	100
85) sec-Butylbenzene	13.612	105	763856	50.628	ug/l	99
86) p-Isopropyltoluene	13.723	119	651562	52.685	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	332920	47.458	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	337415	48.546	ug/l	99
89) n-Butylbenzene	14.053	91	556972	54.326	ug/l	99
90) Hexachloroethane	14.329	117	110821	54.008	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	321762	48.223	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46258	56.438	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	175713	62.388	ug/l	99
94) Hexachlorobutadiene	15.494	225	61691	52.794	ug/l	97
95) Naphthalene	15.635	128	623173	63.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	166197	60.257	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086835.D
Acq On : 03 Jun 2025 11:30
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:55:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

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

