

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086025.D
 Acq On : 20 Mar 2025 15:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:18:51 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	154803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	247467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	113962	53.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.520%			
35) Dibromofluoromethane	8.159	113	92044	53.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.580%			
50) Toluene-d8	10.565	98	346047	55.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.400%			
62) 4-Bromofluorobenzene	12.847	95	128808	57.615	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	93979	45.823	ug/l	100
3) Chloromethane	2.359	50	85452	47.527	ug/l	98
4) Vinyl Chloride	2.512	62	89469	48.668	ug/l	97
5) Bromomethane	2.948	94	58465	46.689	ug/l	99
6) Chloroethane	3.118	64	54521	47.012	ug/l	91
7) Trichlorofluoromethane	3.501	101	160837	48.669	ug/l	97
8) Diethyl Ether	3.959	74	49121	48.554	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	80470	45.816	ug/l	99
10) Methyl Iodide	4.589	142	119968	52.421	ug/l	94
11) Tert butyl alcohol	5.512	59	57207	190.612	ug/l	99
12) 1,1-Dichloroethene	4.342	96	84447	53.247	ug/l	92
13) Acrolein	4.177	56	74729	233.451	ug/l	97
14) Allyl chloride	5.018	41	93518	47.266	ug/l	98
15) Acrylonitrile	5.712	53	199607	251.831	ug/l	98
16) Acetone	4.418	43	145559	224.762	ug/l	98
17) Carbon Disulfide	4.706	76	250288	47.987	ug/l	99
18) Methyl Acetate	5.018	43	74247	46.338	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	270062	51.965	ug/l	100
20) Methylene Chloride	5.271	84	99746	52.649	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	93395	53.886	ug/l	95
22) Diisopropyl ether	6.671	45	242664	57.554	ug/l	97
23) Vinyl Acetate	6.600	43	861647	269.583	ug/l	100
24) 1,1-Dichloroethane	6.565	63	166057	53.559	ug/l	100
25) 2-Butanone	7.477	43	222188	237.770	ug/l	97
26) 2,2-Dichloropropane	7.488	77	126154	42.263	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	106942	54.297	ug/l	97
28) Bromochloromethane	7.812	49	69649	53.022	ug/l	97
29) Tetrahydrofuran	7.836	42	152013	263.497	ug/l	100
30) Chloroform	7.959	83	187036	54.577	ug/l	97
31) Cyclohexane	8.259	56	123942	46.925	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	170959	52.700	ug/l	99
36) 1,1-Dichloropropene	8.365	75	122938	54.053	ug/l	99
37) Ethyl Acetate	7.559	43	93093	48.517	ug/l	99
38) Carbon Tetrachloride	8.359	117	163954	54.825	ug/l	97
39) Methylcyclohexane	9.600	83	103843	46.019	ug/l	93
40) Benzene	8.600	78	395449	55.386	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086025.D
 Acq On : 20 Mar 2025 15:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 21 01:18:51 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

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	48706	53.159	ug/l	98
42) 1,2-Dichloroethane	8.671	62	133848	53.801	ug/l	98
43) Isopropyl Acetate	8.688	43	155437	37.383	ug/l	99
44) Trichloroethene	9.347	130	91356	49.368	ug/l	96
45) 1,2-Dichloropropane	9.618	63	92539	56.984	ug/l	100
46) Dibromomethane	9.706	93	70570	55.257	ug/l	98
47) Bromodichloromethane	9.882	83	146986	55.069	ug/l	94
48) Methyl methacrylate	9.677	41	73109	53.284	ug/l	97
49) 1,4-Dioxane	9.688	88	34598	1066.684	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	497894	271.519	ug/l	100
52) Toluene	10.629	92	256576	58.551	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	138522	53.439	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	147818	54.049	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	96806	57.879	ug/l	97
56) Ethyl methacrylate	10.871	69	133903	51.097	ug/l	100
57) 1,3-Dichloropropane	11.159	76	159265	56.064	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	304809	294.324	ug/l	99
59) 2-Hexanone	11.194	43	366684	274.492	ug/l	97
60) Dibromochloromethane	11.353	129	123307	57.133	ug/l	98
61) 1,2-Dibromoethane	11.465	107	94758	55.186	ug/l	97
64) Tetrachloroethene	11.100	164	96937	51.608	ug/l	98
65) Chlorobenzene	11.888	112	279618	51.895	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	106600	53.221	ug/l	99
67) Ethyl Benzene	11.959	91	480272	55.722	ug/l	100
68) m/p-Xylenes	12.071	106	394800	116.540	ug/l	99
69) o-Xylene	12.400	106	181408	58.345	ug/l	98
70) Styrene	12.412	104	319210	60.107	ug/l	99
71) Bromoform	12.576	173	87123	52.033	ug/l #	100
73) Isopropylbenzene	12.694	105	451097	49.767	ug/l	100
74) N-amyl acetate	12.494	43	143054	47.173	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	137380	44.800	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	145365m	48.918	ug/l	
77) Bromobenzene	12.976	156	120866	47.822	ug/l	99
78) n-propylbenzene	13.035	91	547585	53.351	ug/l	100
79) 2-Chlorotoluene	13.123	91	347336	50.948	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	412146	53.856	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	45995	40.921	ug/l	88
82) 4-Chlorotoluene	13.218	91	360446	51.414	ug/l	99
83) tert-Butylbenzene	13.435	119	326011	49.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	426152	55.211	ug/l	99
85) sec-Butylbenzene	13.612	105	457942	53.634	ug/l	100
86) p-Isopropyltoluene	13.729	119	400311	55.385	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	235074	51.600	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	233938	48.874	ug/l	99
89) n-Butylbenzene	14.053	91	306455	52.067	ug/l	98
90) Hexachloroethane	14.329	117	81056	48.602	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	225879	49.876	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27013	44.130	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	104096	45.713	ug/l	99
94) Hexachlorobutadiene	15.500	225	56841	43.024	ug/l	99
95) Naphthalene	15.641	128	290937	44.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	103654	47.971	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:18:51 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)
----------	------	------	----------	------	-------	----------

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086025.D
 Acq On : 20 Mar 2025 15:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:18:51 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

