

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
 Data File : VX047336.D
 Acq On : 14 Aug 2025 10:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 01:22:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	216185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	364381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	324602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143806	53.400	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.800%			
35) Dibromofluoromethane	5.391	113	112385	49.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	8.647	98	393982	54.074	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.140%			
62) 4-Bromofluorobenzene	11.079	95	149323	47.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	135545	47.204	ug/l	99
3) Chloromethane	1.313	50	113834	40.077	ug/l	97
4) Vinyl Chloride	1.392	62	144021	47.169	ug/l	100
5) Bromomethane	1.624	94	75625	45.596	ug/l	97
6) Chloroethane	1.703	64	84231	42.002	ug/l	100
7) Trichlorofluoromethane	1.904	101	216554	47.564	ug/l	100
8) Diethyl Ether	2.148	74	78459	48.875	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	128258	46.758	ug/l	100
10) Methyl Iodide	2.471	142	227234	81.283	ug/l	99
11) Tert butyl alcohol	2.959	59	77256	245.210	ug/l	98
12) 1,1-Dichloroethene	2.337	96	126375	46.516	ug/l	96
13) Acrolein	2.245	56	177582	306.256	ug/l	97
14) Allyl chloride	2.678	41	224146	45.641	ug/l	97
15) Acrylonitrile	3.081	53	332220	258.666	ug/l	100
16) Acetone	2.392	43	277725	257.435	ug/l	99
17) Carbon Disulfide	2.526	76	335535	42.691	ug/l	98
18) Methyl Acetate	2.715	43	159702	55.705	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	416236	50.341	ug/l	100
20) Methylene Chloride	2.800	84	140028	47.180	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	131779	47.400	ug/l	100
22) Diisopropyl ether	3.770	45	467231	49.485	ug/l	95
23) Vinyl Acetate	3.727	43	1927253	254.488	ug/l	100
24) 1,1-Dichloroethane	3.623	63	251395	47.881	ug/l	100
25) 2-Butanone	4.562	43	373367	237.685	ug/l	98
26) 2,2-Dichloropropane	4.483	77	192048	47.252	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	156555	47.554	ug/l	98
28) Bromochloromethane	4.903	49	117976	48.841	ug/l	97
29) Tetrahydrofuran	5.019	42	240173	236.966	ug/l	95
30) Chloroform	5.105	83	256605	48.012	ug/l	98
31) Cyclohexane	5.477	56	218621	43.426	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218576	47.085	ug/l	99
36) 1,1-Dichloropropene	5.696	75	175706	45.816	ug/l	99
37) Ethyl Acetate	4.721	43	199675	56.505	ug/l	95
38) Carbon Tetrachloride	5.684	117	189096	46.198	ug/l	99
39) Methylcyclohexane	7.385	83	209626	43.780	ug/l	97
40) Benzene	6.044	78	529812	47.737	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
 Data File : VX047336.D
 Acq On : 14 Aug 2025 10:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 01:22:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	84008	45.467	ug/l #	90
42) 1,2-Dichloroethane	6.092	62	195142	49.914	ug/l	99
43) Isopropyl Acetate	6.342	43	284290	51.604	ug/l	98
44) Trichloroethene	7.129	130	134500	47.259	ug/l	100
45) 1,2-Dichloropropane	7.434	63	134701	48.459	ug/l	94
46) Dibromomethane	7.580	93	100103	51.354	ug/l	99
47) Bromodichloromethane	7.824	83	204348	49.252	ug/l	98
48) Methyl methacrylate	7.696	41	150081	50.008	ug/l	99
49) 1,4-Dioxane	7.677	88	33880	992.555	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	839443	256.357	ug/l	100
52) Toluene	8.720	92	333006	48.798	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	190158	48.534	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	206091	48.060	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	129962	50.781	ug/l	99
56) Ethyl methacrylate	9.116	69	199756	52.723	ug/l	99
57) 1,3-Dichloropropane	9.305	76	223669	50.286	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	486170	230.595	ug/l	99
59) 2-Hexanone	9.433	43	581283	268.689	ug/l	98
60) Dibromochloromethane	9.519	129	151824	50.582	ug/l	98
61) 1,2-Dibromoethane	9.610	107	132764	49.612	ug/l	99
64) Tetrachloroethene	9.275	164	108216	46.246	ug/l	96
65) Chlorobenzene	10.079	112	366123	48.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	127490	49.796	ug/l	99
67) Ethyl Benzene	10.189	91	635493	47.796	ug/l	99
68) m/p-Xylenes	10.299	106	474279	95.321	ug/l	99
69) o-Xylene	10.640	106	230538	48.705	ug/l	99
70) Styrene	10.652	104	403534	49.717	ug/l	99
71) Bromoform	10.799	173	99964	51.400	ug/l #	99
73) Isopropylbenzene	10.957	105	608481	47.161	ug/l	99
74) N-amyl acetate	10.841	43	249680	47.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184000	49.925	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	145759m	48.152	ug/l	
77) Bromobenzene	11.195	156	148259	47.908	ug/l	99
78) n-propylbenzene	11.299	91	719706	46.679	ug/l	99
79) 2-Chlorotoluene	11.360	91	425760	46.196	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	498341	46.752	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28193	23.996	ug/l	99
82) 4-Chlorotoluene	11.451	91	507914	47.214	ug/l	99
83) tert-Butylbenzene	11.713	119	500803	46.810	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	505905	47.584	ug/l	100
85) sec-Butylbenzene	11.890	105	616388	46.111	ug/l	100
86) p-Isopropyltoluene	12.006	119	521639	47.057	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	275882	46.918	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	278635	46.772	ug/l	98
89) n-Butylbenzene	12.329	91	480966	46.266	ug/l	99
90) Hexachloroethane	12.536	117	90498	45.634	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	265351	47.216	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36891	52.147	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	177290	47.747	ug/l	99
94) Hexachlorobutadiene	13.725	225	59624	47.216	ug/l	97
95) Naphthalene	13.774	128	549381	50.471	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	170122	47.558	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

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

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Page: 4