

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048339.D
 Acq On : 24 Oct 2025 09:16
 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 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 22:59:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	125053	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	210685	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	187763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	93479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	94250	53.755	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.500%			
35) Dibromofluoromethane	5.367	113	58414	40.612	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 81.220%			
50) Toluene-d8	8.628	98	238621	47.331	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.660%			
62) 4-Bromofluorobenzene	11.061	95	91425	47.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	59098	45.970	ug/l	96
3) Chloromethane	1.300	50	28679	23.900	ug/l	98
4) Vinyl Chloride	1.380	62	78438	70.590	ug/l	99
5) Bromomethane	1.611	94	30849	40.909	ug/l	96
6) Chloroethane	1.691	64	48125	73.704	ug/l	96
7) Trichlorofluoromethane	1.892	101	135485	63.576	ug/l	97
8) Diethyl Ether	2.130	74	49757	82.980	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	74958	55.546	ug/l	99
10) Methyl Iodide	2.453	142	278558	164.198	ug/l	99
11) Tert butyl alcohol	2.934	59	42499	244.130	ug/l	98
12) 1,1-Dichloroethene	2.325	96	71588	54.527	ug/l	96
13) Acrolein	2.233	56	70039	394.484	ug/l	99
14) Allyl chloride	2.660	41	126613	58.086	ug/l	96
15) Acrylonitrile	3.050	53	180209	287.081	ug/l	99
16) Acetone	2.367	43	102142	169.814	ug/l	94
17) Carbon Disulfide	2.514	76	196078	47.388	ug/l	99
18) Methyl Acetate	2.697	43	78123	62.192	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	262138	58.527	ug/l	97
20) Methylene Chloride	2.788	84	80635	55.018	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	77229	53.552	ug/l	98
22) Diisopropyl ether	3.745	45	280059	64.418	ug/l	96
23) Vinyl Acetate	3.709	43	987789	284.432	ug/l	100
24) 1,1-Dichloroethane	3.599	63	148111	56.341	ug/l	98
25) 2-Butanone	4.532	43	169634	222.811	ug/l	98
26) 2,2-Dichloropropane	4.458	77	128101	53.987	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	93213	55.383	ug/l	97
28) Bromochloromethane	4.879	49	62840	57.651	ug/l	98
29) Tetrahydrofuran	4.977	42	129863	284.809	ug/l	99
30) Chloroform	5.074	83	157726	56.158	ug/l	97
31) Cyclohexane	5.452	56	121074	55.630	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	135402	52.310	ug/l	98
36) 1,1-Dichloropropene	5.678	75	102532	50.154	ug/l	98
37) Ethyl Acetate	4.684	43	92982	54.873	ug/l	99
38) Carbon Tetrachloride	5.659	117	115868	45.939	ug/l	99
39) Methylcyclohexane	7.360	83	122210	50.618	ug/l	95
40) Benzene	6.019	78	311870	52.544	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048339.D
 Acq On : 24 Oct 2025 09:16
 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 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 22:59:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	50795	57.081	ug/l	96
42) 1,2-Dichloroethane	6.068	62	124623	56.900	ug/l	99
43) Isopropyl Acetate	6.318	43	163763	58.836	ug/l	99
44) Trichloroethene	7.104	130	78753	50.249	ug/l	97
45) 1,2-Dichloropropane	7.409	63	79649	56.442	ug/l	100
46) Dibromomethane	7.562	93	59016	53.679	ug/l	98
47) Bromodichloromethane	7.805	83	125556	52.892	ug/l	98
48) Methyl methacrylate	7.671	41	83235	59.262	ug/l	98
49) 1,4-Dioxane	7.641	88	18307	986.597	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	456649	284.549	ug/l	100
52) Toluene	8.702	92	193684	51.366	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	117418	51.329	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	120526	48.835	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	75795	54.053	ug/l	99
56) Ethyl methacrylate	9.098	69	112858	55.026	ug/l	95
57) 1,3-Dichloropropane	9.293	76	129442	54.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	330441	299.294	ug/l	99
59) 2-Hexanone	9.415	43	287437	256.864	ug/l	100
60) Dibromochloromethane	9.500	129	91979	48.803	ug/l	100
61) 1,2-Dibromoethane	9.592	107	78094	52.241	ug/l	98
64) Tetrachloroethene	9.256	164	69934	49.893	ug/l	99
65) Chlorobenzene	10.061	112	214381	50.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	77036	49.657	ug/l	100
67) Ethyl Benzene	10.177	91	368764	51.279	ug/l	98
68) m/p-Xylenes	10.281	106	279654	104.665	ug/l	100
69) o-Xylene	10.622	106	135450	52.509	ug/l	100
70) Styrene	10.634	104	236042	53.739	ug/l	99
71) Bromoform	10.780	173	58125	46.878	ug/l #	97
73) Isopropylbenzene	10.945	105	349236	51.150	ug/l	100
74) N-amyl acetate	10.823	43	146738	60.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	95793	51.376	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	77740m	51.283	ug/l	
77) Bromobenzene	11.177	156	88538	51.716	ug/l	99
78) n-propylbenzene	11.287	91	420413	53.181	ug/l	100
79) 2-Chlorotoluene	11.347	91	249581	52.073	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	289432	51.224	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	22416	35.976	ug/l #	66
82) 4-Chlorotoluene	11.433	91	298685	52.497	ug/l	99
83) tert-Butylbenzene	11.695	119	290306	50.006	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	291688	51.728	ug/l	100
85) sec-Butylbenzene	11.872	105	355586	50.910	ug/l	100
86) p-Isopropyltoluene	11.988	119	300777	49.821	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	161594	50.069	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	164145	49.095	ug/l	99
89) n-Butylbenzene	12.311	91	279165	50.804	ug/l	100
90) Hexachloroethane	12.518	117	52745	44.242	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	152380	50.288	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	19444	51.374	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	101730	49.644	ug/l	99
94) Hexachlorobutadiene	13.707	225	37168	48.406	ug/l	98
95) Naphthalene	13.756	128	277956	51.198	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	92908	49.409	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
Data File : VX048339.D
Acq On : 24 Oct 2025 09:16
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 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 22:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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_X\Data\VX102425\
Data File : VX048339.D
Acq On : 24 Oct 2025 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 24 22:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

