

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032378.D
 Acq On : 20 Oct 2025 10:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit
 Patel

10/21/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Oct 21 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	276051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	500417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	466876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234766	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	205038	50.924	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.840%	
35) Dibromofluoromethane	7.904	113	173699	53.598	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 107.200%	
50) Toluene-d8	10.325	98	639666	53.480	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.960%	
62) 4-Bromofluorobenzene	12.617	95	235180	52.021	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	85790	49.525	ug/l	94
3) Chloromethane	2.259	50	126734	47.414	ug/l	100
4) Vinyl Chloride	2.405	62	167782	52.579	ug/l	98
5) Bromomethane	2.826	94	122514	52.244	ug/l	99
6) Chloroethane	2.972	64	114864	54.521	ug/l	94
7) Trichlorofluoromethane	3.308	101	138344	57.903	ug/l	91
8) Diethyl Ether	3.722	74	110844	53.538	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	155412	54.231	ug/l	93
10) Methyl Iodide	4.307	142	232975	56.977	ug/l	97
11) Tert butyl alcohol	5.216	59	64740	212.423	ug/l	97
12) 1,1-Dichloroethene	4.076	96	172650	55.494	ug/l	92
13) Acrolein	3.936	56	43147	87.232	ug/l	97
14) Allyl chloride	4.704	41	281514	53.572	ug/l	90
15) Acrylonitrile	5.405	53	276868	257.055	ug/l	99
16) Acetone	4.167	43	269841	242.037	ug/l	98
17) Carbon Disulfide	4.417	76	472236	55.631	ug/l	99
18) Methyl Acetate	4.710	43	179023	56.056	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	330675	53.964	ug/l	96
20) Methylene Chloride	4.960	84	199566	54.562	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	192705	55.946	ug/l	94
22) Diisopropyl ether	6.344	45	604917	55.352	ug/l	92
23) Vinyl Acetate	6.283	43	1937061	265.367	ug/l	98
24) 1,1-Dichloroethane	6.246	63	364897	54.958	ug/l	99
25) 2-Butanone	7.197	43	380931	250.876	ug/l	98
26) 2,2-Dichloropropane	7.185	77	193268	56.907	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	226473	54.730	ug/l	93
28) Bromochloromethane	7.532	49	168276	53.869	ug/l	88
29) Tetrahydrofuran	7.551	42	247520	259.216	ug/l	95
30) Chloroform	7.691	83	380098	56.448	ug/l	100
31) Cyclohexane	7.971	56	284615	50.212	ug/l	95
32) 1,1,1-Trichloroethane	7.892	97	270780	56.749	ug/l	99
36) 1,1-Dichloropropene	8.099	75	256579	56.099	ug/l	99
37) Ethyl Acetate	7.270	43	155800	51.178	ug/l	99
38) Carbon Tetrachloride	8.081	117	252146	58.585	ug/l	98
39) Methylcyclohexane	9.343	83	296823	53.803	ug/l	95
40) Benzene	8.337	78	800201	55.818	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032378.D
 Acq On : 20 Oct 2025 10:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit
 Patel

Quant Time: Oct 21 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

10/21/2025
 Supervised By :Semsettin
 Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	89114	54.317	ug/l	93
42) 1,2-Dichloroethane	8.410	62	257863	54.972	ug/l	99
43) Isopropyl Acetate	8.435	43	295528	54.722	ug/l	99
44) Trichloroethene	9.099	130	182918	54.492	ug/l	92
45) 1,2-Dichloropropane	9.374	63	200994	56.170	ug/l	100
46) Dibromomethane	9.465	93	123268	56.022	ug/l	95
47) Bromodichloromethane	9.654	83	298867	59.385	ug/l	98
48) Methyl methacrylate	9.441	41	138219	52.640	ug/l	95
49) 1,4-Dioxane	9.465	88	33056	1099.123	ug/l	95
51) 4-Methyl-2-Pentanone	10.215	43	860318	275.041	ug/l	99
52) Toluene	10.392	92	513800	57.552	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	281818	57.719	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	321876	57.231	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	168313	57.233	ug/l	93
56) Ethyl methacrylate	10.648	69	231959	56.352	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	289077	55.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	629980	287.576	ug/l	96
59) 2-Hexanone	10.971	43	610396	276.684	ug/l	99
60) Dibromochloromethane	11.129	129	206640	61.883	ug/l	97
61) 1,2-Dibromoethane	11.239	107	159483	55.617	ug/l	97
64) Tetrachloroethene	10.867	164	147123	52.663	ug/l	96
65) Chlorobenzene	11.660	112	546708	53.221	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	188463	58.904	ug/l	99
67) Ethyl Benzene	11.733	91	961868	56.174	ug/l	98
68) m/p-Xylenes	11.837	106	744366	112.736	ug/l	100
69) o-Xylene	12.166	106	345708	55.988	ug/l	98
70) Styrene	12.178	104	628107	58.262	ug/l	98
71) Bromoform	12.349	173	112897	61.560	ug/l #	95
73) Isopropylbenzene	12.464	105	876325	54.560	ug/l	100
74) N-amyl acetate	12.269	43	262286	51.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	203868	51.119	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	153664m	49.739	ug/l	
77) Bromobenzene	12.745	156	208716	53.907	ug/l	91
78) n-propylbenzene	12.800	91	1092673	54.462	ug/l	98
79) 2-Chlorotoluene	12.891	91	652667	53.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	752875	54.209	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	70326	57.667	ug/l	92
82) 4-Chlorotoluene	12.983	91	709987	54.437	ug/l	98
83) tert-Butylbenzene	13.202	119	640849	56.237	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	771106	54.602	ug/l	99
85) sec-Butylbenzene	13.379	105	936126	53.756	ug/l	99
86) p-Isopropyltoluene	13.495	119	800220	55.381	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	414615	52.884	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	423851	54.068	ug/l	96
89) n-Butylbenzene	13.818	91	753562	53.414	ug/l	98
90) Hexachloroethane	14.086	117	154192	59.535	ug/l	95
91) 1,2-Dichlorobenzene	13.861	146	376678	53.150	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	37022	53.021	ug/l	89
93) 1,2,4-Trichlorobenzene	15.123	180	224715	52.878	ug/l	99
94) Hexachlorobutadiene	15.226	225	105887	54.498	ug/l	92
95) Naphthalene	15.360	128	542330	53.140	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	211711	52.854	ug/l	100

10/21/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit
Patel

10/21/2025
Supervised By :Semsettin
Yesilyurt

10/21/2025

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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

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

