

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	457584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	816489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	742729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	346736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	118510	20.089	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	40.180%#		
35) Dibromofluoromethane	7.904	113	99490	20.352	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.700%#		
50) Toluene-d8	10.325	98	376146	20.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.617	95	148179	20.916	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	42243	18.026	ug/l	90
3) Chloromethane	2.253	50	74640	18.757	ug/l	98
4) Vinyl Chloride	2.405	62	96045	19.124	ug/l	100
5) Bromomethane	2.820	94	64010	19.054	ug/l	97
6) Chloroethane	2.966	64	62143	18.913	ug/l	100
7) Trichlorofluoromethane	3.308	101	71828	18.242	ug/l	88
8) Diethyl Ether	3.722	74	61770	19.188	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	80209	18.700	ug/l	99
10) Methyl Iodide	4.314	142	132689	19.207	ug/l	100
11) Tert butyl alcohol	5.216	59	51729	101.406	ug/l	99
12) 1,1-Dichloroethene	4.076	96	92526	18.812	ug/l	99
13) Acrolein	3.929	56	87436	102.160	ug/l	99
14) Allyl chloride	4.704	41	179218	18.948	ug/l	98
15) Acrylonitrile	5.405	53	180486	96.966	ug/l	99
16) Acetone	4.161	43	167175	94.720	ug/l	99
17) Carbon Disulfide	4.417	76	274085	18.855	ug/l	98
18) Methyl Acetate	4.716	43	84037	19.228	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	202532	19.535	ug/l	96
20) Methylene Chloride	4.948	84	124826	19.777	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	109177	19.413	ug/l	98
22) Diisopropyl ether	6.344	45	380288	19.748	ug/l	94
23) Vinyl Acetate	6.283	43	1286472	97.505	ug/l	99
24) 1,1-Dichloroethane	6.246	63	199778	18.935	ug/l	98
25) 2-Butanone	7.197	43	257973	99.213	ug/l	97
26) 2,2-Dichloropropane	7.185	77	112678	19.163	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	130563	19.430	ug/l	99
28) Bromochloromethane	7.532	49	97569	19.566	ug/l	98
29) Tetrahydrofuran	7.551	42	162726	98.600	ug/l	99
30) Chloroform	7.691	83	199398	19.305	ug/l	99
31) Cyclohexane	7.971	56	186039	19.062	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	142015	19.247	ug/l	99
36) 1,1-Dichloropropene	8.099	75	142545	19.790	ug/l	99
37) Ethyl Acetate	7.276	43	108602	20.277	ug/l	100
38) Carbon Tetrachloride	8.087	117	126114	19.706	ug/l	98
39) Methylcyclohexane	9.343	83	183430	19.658	ug/l	93
40) Benzene	8.337	78	460390	19.848	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	63058	21.432	ug/l	95
42) 1,2-Dichloroethane	8.410	62	135836	19.937	ug/l	100
43) Isopropyl Acetate	8.435	43	187892	19.812	ug/l	99
44) Trichloroethene	9.099	130	106920	19.809	ug/l	99
45) 1,2-Dichloropropane	9.374	63	115560	20.008	ug/l	99
46) Dibromomethane	9.465	93	68601	20.326	ug/l	98
47) Bromodichloromethane	9.654	83	148808	19.328	ug/l	96
48) Methyl methacrylate	9.441	41	85216	18.909	ug/l	93
49) 1,4-Dioxane	9.465	88	18879	399.292	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	538488	102.710	ug/l	99
52) Toluene	10.392	92	284143	19.832	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	153300	19.334	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	181723	19.819	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	92074	19.886	ug/l	96
56) Ethyl methacrylate	10.648	69	142352	20.038	ug/l	99
57) 1,3-Dichloropropane	10.934	76	167175	20.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	386317	102.111	ug/l	100
59) 2-Hexanone	10.971	43	392754	102.391	ug/l	99
60) Dibromochloromethane	11.129	129	102649	19.852	ug/l	96
61) 1,2-Dibromoethane	11.239	107	91235	20.231	ug/l	99
64) Tetrachloroethene	10.867	164	84673	19.251	ug/l	94
65) Chlorobenzene	11.660	112	309433	19.329	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	96211	19.420	ug/l	100
67) Ethyl Benzene	11.733	91	541238	19.540	ug/l	98
68) m/p-Xylenes	11.837	106	403489	38.797	ug/l	98
69) o-Xylene	12.166	106	196711	19.754	ug/l	98
70) Styrene	12.178	104	336202	19.626	ug/l	100
71) Bromoform	12.349	173	57398	19.560	ug/l	91
73) Isopropylbenzene	12.458	105	486953	19.122	ug/l	100
74) N-amyl acetate	12.269	43	172679	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	117227	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	101298m	21.304	ug/l	
77) Bromobenzene	12.745	156	112433	18.648	ug/l	91
78) n-propylbenzene	12.800	91	598062	19.285	ug/l	100
79) 2-Chlorotoluene	12.891	91	364742	19.266	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	411841	19.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	38383	18.491	ug/l	94
82) 4-Chlorotoluene	12.983	91	381756	19.388	ug/l	99
83) tert-Butylbenzene	13.202	119	348802	19.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	410945	19.231	ug/l	98
85) sec-Butylbenzene	13.379	105	524886	19.284	ug/l	99
86) p-Isopropyltoluene	13.495	119	431851	19.216	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	224644	19.651	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	227987	19.467	ug/l	97
89) n-Butylbenzene	13.818	91	428136	19.500	ug/l	99
90) Hexachloroethane	14.086	117	74845	18.472	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	202982	19.343	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	20157	19.361	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	127966	19.162	ug/l	97
94) Hexachlorobutadiene	15.226	225	50712	18.281	ug/l	86
95) Naphthalene	15.360	128	315603	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	115969	19.128	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032408.D
Acq On : 10 Nov 2025 15:55
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 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_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/11/2025

Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Quant Title : SW846 8260

QLast Update : Tue Nov 11 03:33:05 2025

Response via : Initial Calibration

