

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023872.D
 Acq On : 03 Dec 2025 15:35
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:40:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:37:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	549971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	838731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	733022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373937	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	816576	148.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 296.840%#	
35) Dibromofluoromethane	7.640	113	813510	151.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 302.460%#	
50) Toluene-d8	10.109	98	3159448	150.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 301.860%#	
62) 4-Bromofluorobenzene	12.407	95	1086257	152.138	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 304.280%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	619326	148.882	ug/l	98
3) Chloromethane	2.074	50	914405	154.097	ug/l	97
4) Vinyl Chloride	2.208	62	1068530	157.863	ug/l	100
5) Bromomethane	2.592	94	749169	153.290	ug/l	99
6) Chloroethane	2.738	64	706601	153.975	ug/l	99
7) Trichlorofluoromethane	3.061	101	1442851	152.454	ug/l	97
8) Diethyl Ether	3.458	74	452499	159.592	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	845317	149.074	ug/l	99
10) Methyl Iodide	4.012	142	987902	151.888	ug/l	99
11) Tert butyl alcohol	4.872	59	286158	748.237	ug/l	99
12) 1,1-Dichloroethene	3.793	96	849091	160.261	ug/l	99
13) Acrolein	3.659	56	236864	689.621	ug/l	97
14) Allyl chloride	4.390	41	1392191	164.351	ug/l	98
15) Acrylonitrile	5.061	53	1005175	814.540	ug/l	99
16) Acetone	3.872	43	1159022	703.035	ug/l	100
17) Carbon Disulfide	4.110	76	2662403	170.078	ug/l	100
18) Methyl Acetate	4.390	43	447163	159.910	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	2214440	166.388	ug/l	100
20) Methylene Chloride	4.622	84	887878	153.382	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	938198	160.498	ug/l	99
22) Diisopropyl ether	6.024	45	3036807	162.821	ug/l	97
23) Vinyl Acetate	5.963	43	8755240	846.842	ug/l	98
24) 1,1-Dichloroethane	5.921	63	1685752	156.428	ug/l	99
25) 2-Butanone	6.896	43	1487269	748.352	ug/l	97
26) 2,2-Dichloropropane	6.890	77	1474101	149.247	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	1097531	161.693	ug/l	99
28) Bromochloromethane	7.250	49	589930	143.270	ug/l	100
29) Tetrahydrofuran	7.262	42	855375	832.226	ug/l	99
30) Chloroform	7.426	83	1678521	154.141	ug/l	100
31) Cyclohexane	7.707	56	1619783	157.206	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	1523297	154.964	ug/l	100
36) 1,1-Dichloropropene	7.841	75	1280900	161.483	ug/l	100
37) Ethyl Acetate	6.987	43	594564	162.324	ug/l	99
38) Carbon Tetrachloride	7.823	117	1377236	157.318	ug/l	99
39) Methylcyclohexane	9.109	83	1772467	171.667	ug/l	98
40) Benzene	8.085	78	3816578	159.185	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023872.D
 Acq On : 03 Dec 2025 15:35
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 04 03:40:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:37:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
 Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	276918	146.634	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	984153	157.302	ug/l	99
43) Isopropyl Acetate	8.201	43	1163699	169.806	ug/l	99
44) Trichloroethene	8.865	130	983378	159.403	ug/l	97
45) 1,2-Dichloropropane	9.146	63	901787	158.852	ug/l	99
46) Dibromomethane	9.231	93	492887	160.372	ug/l	99
47) Bromodichloromethane	9.426	83	1281714	158.071	ug/l	99
48) Methyl methacrylate	9.219	41	573982	179.279	ug/l	99
49) 1,4-Dioxane	9.231	88	112893	3303.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	3052838	847.158	ug/l	99
52) Toluene	10.170	92	2468676	164.423	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	1243642	169.938	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	1456993	169.068	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	663115	159.836	ug/l	98
56) Ethyl methacrylate	10.438	69	983339	153.027	ug/l	99
57) 1,3-Dichloropropane	10.719	76	1159589	162.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	2086927	760.461	ug/l	99
59) 2-Hexanone	10.761	43	2257507	830.621	ug/l	98
60) Dibromochloromethane	10.914	129	900437	161.860	ug/l	99
61) 1,2-Dibromoethane	11.017	107	623960	165.028	ug/l	99
64) Tetrachloroethene	10.645	164	1073993	149.720	ug/l	98
65) Chlorobenzene	11.444	112	2653945	158.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	899977	157.658	ug/l	99
67) Ethyl Benzene	11.517	91	4735004	163.704	ug/l	99
68) m/p-Xylenes	11.627	106	3662998	331.330	ug/l	98
69) o-Xylene	11.956	106	1751753	169.408	ug/l	99
70) Styrene	11.968	104	2898141	170.022	ug/l	100
71) Bromoform	12.133	173	532116	164.976	ug/l #	99
73) Isopropylbenzene	12.255	105	4595007	166.785	ug/l	100
74) N-amyl acetate	12.072	43	1102752	184.688	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	731655	164.599	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	550722m	148.558	ug/l	
77) Bromobenzene	12.529	156	1034389	161.662	ug/l	98
78) n-propylbenzene	12.596	91	5408902	162.699	ug/l	99
79) 2-Chlorotoluene	12.682	91	3050917	161.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	3673892	164.117	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	271155	175.188	ug/l	98
82) 4-Chlorotoluene	12.779	91	3145945	160.716	ug/l	100
83) tert-Butylbenzene	12.999	119	3352060	166.095	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	3656720	164.888	ug/l	99
85) sec-Butylbenzene	13.175	105	4840736	161.246	ug/l	99
86) p-Isopropyltoluene	13.291	119	4107675	165.255	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	2027489	157.280	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	1962768	155.259	ug/l	100
89) n-Butylbenzene	13.614	91	3842972	167.040	ug/l	99
90) Hexachloroethane	13.877	117	822867	157.801	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1765543	157.466	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	114369	163.638	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	1126109	169.402	ug/l	99
94) Hexachlorobutadiene	15.023	225	648633	155.522	ug/l	99
95) Naphthalene	15.145	128	2040346	186.243	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	952579	167.923	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023872.D
Acq On : 03 Dec 2025 15:35
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

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

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

