

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022990.D
 Acq On : 18 Jul 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:06:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	535707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	862980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	692947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25286	4.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.320%#		
35) Dibromofluoromethane	7.634	113	26103	4.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.540%#		
50) Toluene-d8	10.103	98	103295	4.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.520%#		
62) 4-Bromofluorobenzene	12.401	95	35295	5.165	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.320%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26273	5.776	ug/l	97
3) Chloromethane	2.068	50	42286	5.467	ug/l	98
4) Vinyl Chloride	2.202	62	50232	5.126	ug/l	99
5) Bromomethane	2.598	94	37924	5.362	ug/l	94
6) Chloroethane	2.732	64	33229	5.077	ug/l	99
7) Trichlorofluoromethane	3.055	101	60508	5.319	ug/l	97
8) Diethyl Ether	3.452	74	15984	5.369	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.811	101	32487	5.437	ug/l	97
10) Methyl Iodide	4.013	142	24927	4.016	ug/l	98
11) Tert butyl alcohol	4.848	59	7260	22.015	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	30134	5.294	ug/l	91
13) Acrolein	3.647	56	5246	35.292	ug/l #	57
14) Allyl chloride	4.378	41	43390	5.003	ug/l	98
15) Acrylonitrile	5.055	53	28037	24.863	ug/l	97
16) Acetone	3.866	43	30383	30.907	ug/l	96
17) Carbon Disulfide	4.104	76	90620	5.253	ug/l	96
18) Methyl Acetate	4.391	43	13210	3.969	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	63167	4.626	ug/l	97
20) Methylene Chloride	4.616	84	79161	3.739	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	31968	5.045	ug/l	99
22) Diisopropyl ether	6.024	45	85560	4.650	ug/l	96
23) Vinyl Acetate	5.957	43	207469	22.380	ug/l	100
24) 1,1-Dichloroethane	5.909	63	56892	4.923	ug/l	97
25) 2-Butanone	6.896	43	34740	24.634	ug/l	90
26) 2,2-Dichloropropane	6.878	77	52318	5.166	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	35196	4.820	ug/l	96
28) Bromochloromethane	7.244	49	21127	4.714	ug/l	98
29) Tetrahydrofuran	7.256	42	19429	21.760	ug/l	98
30) Chloroform	7.420	83	57601	4.941	ug/l	96
31) Cyclohexane	7.701	56	62949	5.830	ug/l #	81
32) 1,1,1-Trichloroethane	7.616	97	53871	5.093	ug/l	99
36) 1,1-Dichloropropene	7.835	75	43575	5.053	ug/l	98
37) Ethyl Acetate	6.988	43	15819m	4.940	ug/l	
38) Carbon Tetrachloride	7.817	117	47654	5.087	ug/l	97
39) Methylcyclohexane	9.109	83	56680	5.079	ug/l	99
40) Benzene	8.079	78	128094	4.934	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022990.D
 Acq On : 18 Jul 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:06:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	6844	4.049	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	31142	4.821	ug/l	98
43) Isopropyl Acetate	8.201	43	27300	4.292	ug/l #	85
44) Trichloroethene	8.865	130	34709	5.205	ug/l	92
45) 1,2-Dichloropropane	9.140	63	30343	5.005	ug/l	94
46) Dibromomethane	9.231	93	15218	4.856	ug/l	95
47) Bromodichloromethane	9.420	83	42002	4.849	ug/l	99
48) Methyl methacrylate	9.219	41	12765	4.156	ug/l	98
49) 1,4-Dioxane	9.225	88	2816	85.247	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	64649	20.023	ug/l	99
52) Toluene	10.170	92	74665	4.626	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33067	4.447	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	41220	4.599	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	19458	4.724	ug/l	97
56) Ethyl methacrylate	10.438	69	20183	3.925	ug/l	99
57) 1,3-Dichloropropane	10.713	76	33346	4.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	46689	18.550	ug/l	100
59) 2-Hexanone	10.761	43	42954	20.239	ug/l	99
60) Dibromochloromethane	10.908	129	24530	4.548	ug/l	99
61) 1,2-Dibromoethane	11.011	107	17039	4.555	ug/l	100
64) Tetrachloroethene	10.645	164	38436	5.427	ug/l	94
65) Chlorobenzene	11.438	112	79744	4.877	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.511	131	27645	4.957	ug/l	99
67) Ethyl Benzene	11.517	91	138078	4.764	ug/l	96
68) m/p-Xylenes	11.627	106	104654	9.414	ug/l	97
69) o-Xylene	11.950	106	46850	4.541	ug/l	98
70) Styrene	11.962	104	73426	4.345	ug/l	99
71) Bromoform	12.127	173	12858	4.541	ug/l #	99
73) Isopropylbenzene	12.249	105	126243	4.925	ug/l	99
74) N-amyl acetate	12.066	43	20632	4.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	16857	4.544	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	18629m	4.765	ug/l	
77) Bromobenzene	12.529	156	27477	4.942	ug/l	100
78) n-propylbenzene	12.590	91	150755	4.939	ug/l	100
79) 2-Chlorotoluene	12.676	91	85237	4.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	98096	4.852	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	6126	4.843	ug/l	98
82) 4-Chlorotoluene	12.773	91	85449	4.935	ug/l	99
83) tert-Butylbenzene	12.993	119	90600	4.961	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	95160	4.782	ug/l	99
85) sec-Butylbenzene	13.169	105	135535	4.953	ug/l	98
86) p-Isopropyltoluene	13.285	119	104828	4.717	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	56578	5.043	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	55584	5.121	ug/l	95
89) n-Butylbenzene	13.614	91	99472	4.850	ug/l	98
90) Hexachloroethane	13.877	117	24435	5.310	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	48036	5.076	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2548	4.626	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	23607	4.732	ug/l	99
94) Hexachlorobutadiene	15.023	225	17559	5.583	ug/l	98
95) Naphthalene	15.139	128	31085	3.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	18973	4.606	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022990.D
Acq On : 18 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:06:34 2025
Response via : Initial Calibration

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

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

