

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020867.D
 Acq On : 17 Jan 2025 19:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/20/2025
 Supervised By :Semsettin Yesilyurt 01/21/2025

Quant Time: Jan 17 23:31:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	170581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	269164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	237457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	122210	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	80324	55.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.800%
35) Dibromofluoromethane	7.634	113	86692	51.410	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.109	98	322847	54.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.840%
62) 4-Bromofluorobenzene	12.408	95	113628	52.344	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	104.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48567	38.795	ug/l	99
3) Chloromethane	2.074	50	33615	50.997	ug/l	97
4) Vinyl Chloride	2.208	62	36455	49.750	ug/l	97
5) Bromomethane	2.598	94	26298	50.388	ug/l	97
6) Chloroethane	2.739	64	24656	54.559	ug/l	94
7) Trichlorofluoromethane	3.068	101	98101	43.621	ug/l	96
8) Diethyl Ether	3.458	74	36126	51.367	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	69940	46.052	ug/l	99
10) Methyl Iodide	4.007	142	81741	50.223	ug/l	95
11) Tert butyl alcohol	4.866	59	25576	233.449	ug/l	98
12) 1,1-Dichloroethene	3.793	96	62956	47.327	ug/l	97
13) Acrolein	3.659	56	4955	161.050	ug/l	95
14) Allyl chloride	4.391	41	98359	51.251	ug/l	94
15) Acrylonitrile	5.061	53	77156	258.133	ug/l	99
16) Acetone	3.873	43	52302	253.676	ug/l	96
17) Carbon Disulfide	4.110	76	139715	48.415	ug/l	100
18) Methyl Acetate	4.391	43	39948	57.384	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	188356	50.173	ug/l	100
20) Methylene Chloride	4.622	84	75294	52.880	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	72034	49.173	ug/l	98
22) Diisopropyl ether	6.019	45	235572	57.622	ug/l	95
23) Vinyl Acetate	5.964	43	602982	267.503	ug/l	97
24) 1,1-Dichloroethane	5.921	63	139882	51.861	ug/l	100
25) 2-Butanone	6.896	43	90492	267.191	ug/l	99
26) 2,2-Dichloropropane	6.890	77	117358	41.907	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	95346	51.587	ug/l	99
28) Bromochloromethane	7.250	49	44231	60.772	ug/l	94
29) Tetrahydrofuran	7.262	42	59005	272.732	ug/l	95
30) Chloroform	7.421	83	156263	50.802	ug/l	97
31) Cyclohexane	7.707	56	95307	45.175	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	138793	46.259	ug/l	99
36) 1,1-Dichloropropene	7.841	75	95786	44.534	ug/l	100
37) Ethyl Acetate	6.982	43	41649	48.659	ug/l	98
38) Carbon Tetrachloride	7.823	117	124563	41.604	ug/l	97
39) Methylcyclohexane	9.109	83	114855	43.516	ug/l	98
40) Benzene	8.085	78	319273	48.365	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020867.D
 Acq On : 17 Jan 2025 19:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 17 23:31:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/20/2025
 Supervised By :Semsettin Yesilyurt 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	23697	48.343	ug/l #	94
42) 1,2-Dichloroethane	8.158	62	84370	46.801	ug/l	99
43) Isopropyl Acetate	8.195	43	86308	49.576	ug/l	98
44) Trichloroethene	8.866	130	84634	45.991	ug/l	99
45) 1,2-Dichloropropane	9.146	63	76910	51.393	ug/l	98
46) Dibromomethane	9.231	93	42991	50.027	ug/l	98
47) Bromodichloromethane	9.426	83	121458	49.350	ug/l	99
48) Methyl methacrylate	9.225	41	37919	48.584	ug/l	97
49) 1,4-Dioxane	9.231	88	8915	977.083	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	223532	257.008	ug/l	98
52) Toluene	10.170	92	209537	47.934	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	104137	47.574	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	121820	47.919	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	59997	48.869	ug/l	95
56) Ethyl methacrylate	10.438	69	78134	50.393	ug/l	98
57) 1,3-Dichloropropane	10.719	76	100807	50.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	156233	253.999	ug/l	98
59) 2-Hexanone	10.762	43	144758	259.430	ug/l	98
60) Dibromochloromethane	10.914	129	87727	49.269	ug/l	100
61) 1,2-Dibromoethane	11.018	107	55068	49.962	ug/l	99
64) Tetrachloroethene	10.646	164	74323	42.572	ug/l	97
65) Chlorobenzene	11.444	112	241220	45.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91455	45.758	ug/l	98
67) Ethyl Benzene	11.518	91	413248	45.463	ug/l	98
68) m/p-Xylenes	11.633	106	315665	90.198	ug/l	98
69) o-Xylene	11.957	106	152842	46.061	ug/l	98
70) Styrene	11.969	104	262780	47.045	ug/l	98
71) Bromoform	12.133	173	52657	46.345	ug/l #	98
73) Isopropylbenzene	12.255	105	409599	42.248	ug/l	100
74) N-amyl acetate	12.072	43	75815	47.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	67431	45.889	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	41472m	38.784	ug/l	
77) Bromobenzene	12.536	156	99808	44.651	ug/l	100
78) n-propylbenzene	12.597	91	471484	42.845	ug/l	99
79) 2-Chlorotoluene	12.682	91	277144	43.734	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	335816	42.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21620	42.632	ug/l	97
82) 4-Chlorotoluene	12.780	91	283426	43.338	ug/l	99
83) tert-Butylbenzene	12.999	119	312470	42.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	337022	43.925	ug/l	98
85) sec-Butylbenzene	13.176	105	441507	43.013	ug/l	99
86) p-Isopropyltoluene	13.292	119	376425	42.989	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	194064	44.682	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	191438	44.778	ug/l	99
89) n-Butylbenzene	13.621	91	326067	42.923	ug/l	100
90) Hexachloroethane	13.883	117	76603	43.567	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	171445	45.147	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10276	43.250	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	102767	47.023	ug/l	99
94) Hexachlorobutadiene	15.029	225	68055	44.172	ug/l	99
95) Naphthalene	15.151	128	167144	46.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	87998	48.061	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
Data File : VY020867.D
Acq On : 17 Jan 2025 19:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/20/2025
Supervised By :Semsettin Yesilyurt 01/21/2025

Quant Time: Jan 17 23:31:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 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_Y\Data\VY011725\
Data File : VY020867.D
Acq On : 17 Jan 2025 19:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/20/2025
Supervised By :Semsettin Yesilyurt 01/21/2025

Quant Time: Jan 17 23:31:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration

