

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021734.D
 Acq On : 01 Apr 2025 11:52
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	249854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	398654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	353780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142882	52.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.560%			
35) Dibromofluoromethane	7.628	113	138581	53.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.180%			
50) Toluene-d8	10.103	98	526671	53.535	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.401	95	180027	54.100	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	50357	19.445	ug/l	99
3) Chloromethane	2.068	50	67735	18.601	ug/l	98
4) Vinyl Chloride	2.202	62	77103	18.723	ug/l	97
5) Bromomethane	2.586	94	55107	19.620	ug/l	98
6) Chloroethane	2.732	64	50749	18.833	ug/l	99
7) Trichlorofluoromethane	3.049	101	102182	19.370	ug/l	99
8) Diethyl Ether	3.452	74	27708	19.314	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	56269	20.224	ug/l	100
10) Methyl Iodide	4.000	142	57734	18.914	ug/l	99
11) Tert butyl alcohol	4.860	59	18352	104.372	ug/l	98
12) 1,1-Dichloroethene	3.787	96	51462	19.637	ug/l	91
13) Acrolein	3.647	56	24528	76.397	ug/l	98
14) Allyl chloride	4.378	41	79053	18.919	ug/l	98
15) Acrylonitrile	5.049	53	59619	99.530	ug/l	100
16) Acetone	3.866	43	49484	89.316	ug/l	92
17) Carbon Disulfide	4.098	76	160237	18.563	ug/l	99
18) Methyl Acetate	4.385	43	27729	20.194	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	130488	19.999	ug/l	94
20) Methylene Chloride	4.610	84	61085	20.229	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	57189	19.819	ug/l	99
22) Diisopropyl ether	6.018	45	175740	20.049	ug/l	96
23) Vinyl Acetate	5.957	43	492587	96.062	ug/l	98
24) 1,1-Dichloroethane	5.909	63	104767	19.989	ug/l	97
25) 2-Butanone	6.890	43	73607	93.016	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91056	19.530	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	65387	20.150	ug/l	98
28) Bromochloromethane	7.244	49	43966	19.890	ug/l	97
29) Tetrahydrofuran	7.262	42	48560	95.348	ug/l	95
30) Chloroform	7.421	83	109913	20.162	ug/l	98
31) Cyclohexane	7.695	56	89093	18.647	ug/l	90
32) 1,1,1-Trichloroethane	7.610	97	98271	19.945	ug/l	100
36) 1,1-Dichloropropene	7.829	75	76899	19.523	ug/l	100
37) Ethyl Acetate	6.982	43	35453	19.072	ug/l	99
38) Carbon Tetrachloride	7.817	117	89090	19.748	ug/l	100
39) Methylcyclohexane	9.109	83	88943	18.902	ug/l	97
40) Benzene	8.079	78	233440	19.790	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021734.D
 Acq On : 01 Apr 2025 11:52
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	16037	16.245	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	65473	19.688	ug/l	99
43) Isopropyl Acetate	8.195	43	67482	19.156	ug/l	99
44) Trichloroethene	8.865	130	61089	20.326	ug/l	96
45) 1,2-Dichloropropane	9.140	63	56418	20.206	ug/l	97
46) Dibromomethane	9.225	93	31756	19.734	ug/l	100
47) Bromodichloromethane	9.420	83	82304	19.738	ug/l	98
48) Methyl methacrylate	9.219	41	29950	18.524	ug/l	97
49) 1,4-Dioxane	9.225	88	6460	374.739	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	176364	96.202	ug/l	100
52) Toluene	10.170	92	147040	19.979	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	73080	19.732	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	86823	19.871	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	42280	20.417	ug/l	98
56) Ethyl methacrylate	10.438	69	52559	19.877	ug/l	98
57) 1,3-Dichloropropane	10.713	76	71109	19.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	130768	101.375	ug/l	99
59) 2-Hexanone	10.761	43	118049	96.688	ug/l	99
60) Dibromochloromethane	10.908	129	56498	19.982	ug/l	96
61) 1,2-Dibromoethane	11.011	107	39749	20.462	ug/l	99
64) Tetrachloroethene	10.646	164	64652	20.065	ug/l	98
65) Chlorobenzene	11.438	112	160909	19.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	57050	19.827	ug/l	98
67) Ethyl Benzene	11.517	91	267784	19.256	ug/l	99
68) m/p-Xylenes	11.627	106	210108	39.455	ug/l	99
69) o-Xylene	11.950	106	97645	19.864	ug/l	100
70) Styrene	11.969	104	163431	19.941	ug/l	99
71) Bromoform	12.133	173	32739	19.947	ug/l #	97
73) Isopropylbenzene	12.255	105	255126	18.992	ug/l	99
74) N-amyl acetate	12.072	43	59465	18.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	46623	19.304	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	39124m	21.822	ug/l	
77) Bromobenzene	12.529	156	62425	19.354	ug/l	99
78) n-propylbenzene	12.590	91	318024	19.691	ug/l	100
79) 2-Chlorotoluene	12.676	91	184549	19.674	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	216167	19.689	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	15037	19.326	ug/l	98
82) 4-Chlorotoluene	12.779	91	192091	19.642	ug/l	98
83) tert-Butylbenzene	12.999	119	190441	19.474	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	214526	19.770	ug/l	100
85) sec-Butylbenzene	13.176	105	279174	19.535	ug/l	100
86) p-Isopropyltoluene	13.291	119	235978	19.978	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	125891	19.811	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	125583	20.002	ug/l	96
89) n-Butylbenzene	13.615	91	214364	19.624	ug/l	99
90) Hexachloroethane	13.877	117	49767	19.227	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	110352	19.949	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7717	20.615	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	63063	21.022	ug/l	99
94) Hexachlorobutadiene	15.023	225	38686	20.649	ug/l	99
95) Naphthalene	15.145	128	100567	20.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	52590	20.558	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021734.D
Acq On : 01 Apr 2025 11:52
Operator : SY/MD
Sample : VY0401SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

