

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021215.D
 Acq On : 17 Feb 2025 12:28
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/18/2025
 Supervised By :Mahesh Dadoda 02/18/2025

Quant Time: Feb 18 00:45:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	136712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	209409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	179586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	88406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	64299	45.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.800%		
35) Dibromofluoromethane	7.646	113	61388	45.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.480%		
50) Toluene-d8	10.115	98	231568	45.324	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.414	95	77571	46.473	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	20762	17.039	ug/l	93
3) Chloromethane	2.080	50	17558	14.603	ug/l	98
4) Vinyl Chloride	2.214	62	19414	16.042	ug/l	96
5) Bromomethane	2.604	94	12062	16.126	ug/l	88
6) Chloroethane	2.745	64	13114	18.203	ug/l	100
7) Trichlorofluoromethane	3.074	101	43928	19.923	ug/l	93
8) Diethyl Ether	3.464	74	13844	20.113	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	30201	21.825	ug/l	97
10) Methyl Iodide	4.019	142	25469	16.567	ug/l	93
11) Tert butyl alcohol	4.866	59	11156	117.530	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	23195	17.794	ug/l	92
13) Acrolein	3.665	56	11969	81.886	ug/l	96
14) Allyl chloride	4.397	41	44963	20.467	ug/l	93
15) Acrylonitrile	5.074	53	35270	123.055	ug/l	99
16) Acetone	3.885	43	32345	148.073	ug/l	95
17) Carbon Disulfide	4.122	76	37230	9.108	ug/l	98
18) Methyl Acetate	4.403	43	17837	23.261	ug/l	94
19) Methyl tert-butyl Ether	5.135	73	79260	24.057	ug/l	99
20) Methylene Chloride	4.628	84	28677	21.118	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	25892	18.045	ug/l	95
22) Diisopropyl ether	6.037	45	112211	24.780	ug/l	98
23) Vinyl Acetate	5.970	43	298769	118.356	ug/l	96
24) 1,1-Dichloroethane	5.933	63	60380	22.759	ug/l	97
25) 2-Butanone	6.902	43	47257	131.651	ug/l	92
26) 2,2-Dichloropropane	6.896	77	58315	23.755	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	35885	21.728	ug/l	91
28) Bromochloromethane	7.256	49	20874	19.897	ug/l	94
29) Tetrahydrofuran	7.274	42	28286	116.455	ug/l	96
30) Chloroform	7.433	83	66198	24.292	ug/l	97
31) Cyclohexane	7.713	56	40611	16.998	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	58373	23.040	ug/l	99
36) 1,1-Dichloropropene	7.847	75	39384	19.813	ug/l	98
37) Ethyl Acetate	6.994	43	21443	24.590	ug/l	99
38) Carbon Tetrachloride	7.829	117	52390	22.556	ug/l	99
39) Methylcyclohexane	9.116	83	42548	17.499	ug/l	96
40) Benzene	8.091	78	122890	21.067	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021215.D
 Acq On : 17 Feb 2025 12:28
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/18/2025
 Supervised By :Mahesh Dadoda 02/18/2025

Quant Time: Feb 18 00:45:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	13043	25.854	ug/l	91
42) 1,2-Dichloroethane	8.171	62	37918	23.432	ug/l	96
43) Isopropyl Acetate	8.207	43	43934	25.355	ug/l	95
44) Trichloroethene	8.878	130	32207	21.370	ug/l	90
45) 1,2-Dichloropropane	9.152	63	34023	24.573	ug/l	99
46) Dibromomethane	9.244	93	17271	22.529	ug/l	97
47) Bromodichloromethane	9.433	83	51031	24.821	ug/l	98
48) Methyl methacrylate	9.231	41	18883	23.925	ug/l	90
49) 1,4-Dioxane	9.244	88	3690	517.058	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	112907	129.579	ug/l	96
52) Toluene	10.176	92	80999	22.114	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	45150	24.457	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	51777	23.687	ug/l #	88
55) 1,1,2-Trichloroethane	10.579	97	24822	25.004	ug/l	96
56) Ethyl methacrylate	10.451	69	32165	24.220	ug/l	89
57) 1,3-Dichloropropane	10.725	76	42544	24.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	63956	101.228	ug/l	100
59) 2-Hexanone	10.768	43	74215	132.286	ug/l	94
60) Dibromochloromethane	10.920	129	33731	24.195	ug/l	97
61) 1,2-Dibromoethane	11.024	107	21370	22.982	ug/l	99
64) Tetrachloroethene	10.652	164	27282	20.464	ug/l	98
65) Chlorobenzene	11.450	112	91858	22.971	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	35700	25.122	ug/l	97
67) Ethyl Benzene	11.530	91	164030	23.192	ug/l	98
68) m/p-Xylenes	11.639	106	122813	46.416	ug/l	98
69) o-Xylene	11.963	106	58167	23.579	ug/l	97
70) Styrene	11.981	104	101799	24.759	ug/l	98
71) Bromoform	12.139	173	19985	25.266	ug/l #	97
73) Isopropylbenzene	12.261	105	164802	23.864	ug/l	99
74) N-amyl acetate	12.078	43	37730	24.990	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.517	83	29049	25.293	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	18888m	23.553	ug/l	
77) Bromobenzene	12.542	156	37307	23.410	ug/l	95
78) n-propylbenzene	12.603	91	199693	24.275	ug/l	99
79) 2-Chlorotoluene	12.688	91	113837	24.161	ug/l	98
80) 1,3,5-Trimethylbenzene	12.749	105	133599	23.861	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	9432	23.999	ug/l	92
82) 4-Chlorotoluene	12.786	91	116596	24.289	ug/l	100
83) tert-Butylbenzene	13.005	119	124970	24.556	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	134225	24.518	ug/l	98
85) sec-Butylbenzene	13.188	105	181496	24.775	ug/l	98
86) p-Isopropyltoluene	13.304	119	151347	24.871	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	76700	24.926	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	75740	24.999	ug/l	98
89) n-Butylbenzene	13.627	91	141637	25.513	ug/l	99
90) Hexachloroethane	13.889	117	32307	25.448	ug/l	86
91) 1,2-Dichlorobenzene	13.670	146	66723	24.983	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4131	24.069	ug/l	93
93) 1,2,4-Trichlorobenzene	14.932	180	39168	26.348	ug/l	97
94) Hexachlorobutadiene	15.035	225	25660	26.047	ug/l	98
95) Naphthalene	15.157	128	62739	26.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	32940	26.626	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
Data File : VY021215.D
Acq On : 17 Feb 2025 12:28
Operator : SY/MD
Sample : VY0217SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/18/2025
Supervised By :Mahesh Dadoda 02/18/2025

Quant Time: Feb 18 00:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

