

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020667.D
 Acq On : 20 Dec 2024 13:34
 Operator : SY/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 18:08:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	154597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	238791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	207851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	89782	53.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.060%			
35) Dibromofluoromethane	7.634	113	87467	51.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.940%			
50) Toluene-d8	10.103	98	317644	53.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.408	95	118853	51.581	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46183	23.917	ug/l	100
3) Chloromethane	2.068	50	26136	18.267	ug/l	96
4) Vinyl Chloride	2.202	62	20627	15.490	ug/l	99
5) Bromomethane	2.592	94	12936	15.112	ug/l	98
6) Chloroethane	2.733	64	11953	14.525	ug/l	98
7) Trichlorofluoromethane	3.062	101	46655	16.744	ug/l	96
8) Diethyl Ether	3.458	74	13711	14.031	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	28315	14.177	ug/l	98
10) Methyl Iodide	4.007	142	32674	14.694	ug/l	92
11) Tert butyl alcohol	4.854	59	14349	55.423	ug/l	95
12) 1,1-Dichloroethene	3.793	96	27039	13.953	ug/l	87
13) Acrolein	3.659	56	5532	69.097	ug/l	96
14) Allyl chloride	4.385	41	39213	11.548	ug/l	90
15) Acrylonitrile	5.055	53	29353	62.786	ug/l	99
16) Acetone	3.873	43	20534	56.052	ug/l #	88
17) Carbon Disulfide	4.104	76	88129	13.971	ug/l	97
18) Methyl Acetate	4.391	43	13712	11.903	ug/l	92
19) Methyl tert-butyl Ether	5.122	73	71311	14.257	ug/l	93
20) Methylene Chloride	4.616	84	28001	13.301	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	30978	14.251	ug/l	88
22) Diisopropyl ether	6.025	45	96975	14.069	ug/l	94
23) Vinyl Acetate	5.964	43	267947	68.637	ug/l #	94
24) 1,1-Dichloroethane	5.921	63	56185	13.914	ug/l	97
25) 2-Butanone	6.896	43	57567	91.487	ug/l	95
26) 2,2-Dichloropropane	6.884	77	71251	18.666	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	47563	19.017	ug/l	99
28) Bromochloromethane	7.250	49	21651	15.896	ug/l	96
29) Tetrahydrofuran	7.262	42	39939	100.545	ug/l	98
30) Chloroform	7.421	83	86753	18.008	ug/l	98
31) Cyclohexane	7.701	56	82760	21.435	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	78587	21.184	ug/l	100
36) 1,1-Dichloropropene	7.835	75	67576	22.021	ug/l	100
37) Ethyl Acetate	6.982	43	27819	19.272	ug/l	100
38) Carbon Tetrachloride	7.817	117	75478	22.231	ug/l	94
39) Methylcyclohexane	9.109	83	85612	21.405	ug/l	96
40) Benzene	8.079	78	198978	22.121	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020667.D
 Acq On : 20 Dec 2024 13:34
 Operator : SY/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 18:08:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15690m	20.560	ug/l	
42) 1,2-Dichloroethane	8.158	62	52790	22.128	ug/l	99
43) Isopropyl Acetate	8.195	43	61389	22.464	ug/l #	88
44) Trichloroethene	8.866	130	49726	22.498	ug/l	96
45) 1,2-Dichloropropane	9.140	63	47049	22.380	ug/l	100
46) Dibromomethane	9.231	93	24740	22.268	ug/l	99
47) Bromodichloromethane	9.420	83	65935	21.970	ug/l	99
48) Methyl methacrylate	9.219	41	28515	21.949	ug/l	99
49) 1,4-Dioxane	9.225	88	5646	443.123	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	156324	108.373	ug/l	99
52) Toluene	10.170	92	123673	22.124	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	60417	21.605	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	72340	21.830	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	32853	22.365	ug/l	99
56) Ethyl methacrylate	10.438	69	46933	22.024	ug/l	97
57) 1,3-Dichloropropane	10.713	76	57877	22.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	89896	100.257	ug/l	99
59) 2-Hexanone	10.762	43	102848	111.052	ug/l	100
60) Dibromochloromethane	10.908	129	43570	22.179	ug/l	100
61) 1,2-Dibromoethane	11.012	107	31084	22.750	ug/l	98
64) Tetrachloroethene	10.646	164	43165	22.078	ug/l	96
65) Chlorobenzene	11.438	112	129936	22.358	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45362	22.826	ug/l	99
67) Ethyl Benzene	11.518	91	236674	22.074	ug/l	99
68) m/p-Xylenes	11.627	106	176607	44.301	ug/l	99
69) o-Xylene	11.957	106	82303	22.127	ug/l	98
70) Styrene	11.969	104	138486	22.284	ug/l	98
71) Bromoform	12.133	173	25202	22.556	ug/l #	99
73) Isopropylbenzene	12.255	105	223291	21.536	ug/l	100
74) N-amyl acetate	12.072	43	54037	22.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37121	22.056	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	28423m	23.028	ug/l	
77) Bromobenzene	12.530	156	48228	21.353	ug/l	96
78) n-propylbenzene	12.597	91	267926	21.448	ug/l	100
79) 2-Chlorotoluene	12.676	91	151653	21.578	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	182355	21.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12691	21.583	ug/l	96
82) 4-Chlorotoluene	12.780	91	158267	21.706	ug/l	99
83) tert-Butylbenzene	12.999	119	162779	21.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	180211	21.837	ug/l	99
85) sec-Butylbenzene	13.176	105	238168	21.499	ug/l	100
86) p-Isopropyltoluene	13.292	119	197046	21.573	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	95540	21.429	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	95023	21.519	ug/l	99
89) n-Butylbenzene	13.621	91	183392	21.186	ug/l	99
90) Hexachloroethane	13.883	117	38132	21.066	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	83132	21.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5790	21.190	ug/l	94
93) 1,2,4-Trichlorobenzene	14.926	180	48158	20.610	ug/l	99
94) Hexachlorobutadiene	15.029	225	32056	20.986	ug/l	98
95) Naphthalene	15.145	128	84632	21.127	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	40965	20.750	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020667.D
Acq On : 20 Dec 2024 13:34
Operator : SY/MD
Sample : VY1220SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 18:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

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

