

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016024.D
 Acq On : 18 Oct 2023 16:54
 Operator : SY/MD
 Sample : 04699-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 19 04:40:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 04:37:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	199198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	324410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	294761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	121383	53.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.220%			
35) Dibromofluoromethane	7.716	113	108588	50.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.700%			
50) Toluene-d8	10.179	98	386568	49.847	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.483	95	135133	48.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3521	2.139	ug/l	96
3) Chloromethane	2.107	50	5024	2.417	ug/l	99
4) Vinyl Chloride	2.247	62	5337	2.288	ug/l	99
5) Bromomethane	2.656	94	4108	2.414	ug/l	94
6) Chloroethane	2.790	64	3396	2.264	ug/l	91
7) Trichlorofluoromethane	3.119	101	8654	2.437	ug/l	93
8) Diethyl Ether	3.527	74	3085	2.459	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.881	101	4507	2.207	ug/l	96
10) Methyl Iodide	4.082	142	6069	2.276	ug/l	96
11) Tert butyl alcohol	5.052	59	3121m	8.930	ug/l	
12) 1,1-Dichloroethene	3.863	96	4148	2.171	ug/l	87
13) Acrolein	3.741	56	4919	16.340	ug/l	98
14) Allyl chloride	4.472	41	6628	2.218	ug/l	92
15) Acrylonitrile	5.180	53	11362	15.183	ug/l	95
16) Acetone	3.979	43	13635	16.247	ug/l #	84
17) Carbon Disulfide	4.186	76	12177	2.175	ug/l	100
18) Methyl Acetate	4.485	43	8892	3.078	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	13669	2.217	ug/l	96
20) Methylene Chloride	4.716	84	32590	13.072	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	4858	2.183	ug/l	87
22) Diisopropyl ether	6.118	45	14009	2.153	ug/l #	93
23) Vinyl Acetate	6.064	43	45840	11.357	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	8254	2.138	ug/l	98
25) 2-Butanone	7.002	43	17014	14.801	ug/l	100
26) 2,2-Dichloropropane	6.984	77	7523	2.166	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	5640	2.201	ug/l	91
28) Bromochloromethane	7.332	49	4257	2.579	ug/l #	93
29) Tetrahydrofuran	7.362	42	10927	15.704	ug/l	93
30) Chloroform	7.502	83	9430	2.278	ug/l	99
31) Cyclohexane	7.783	56	11124	3.139	ug/l #	57
32) 1,1,1-Trichloroethane	7.704	97	8034	2.170	ug/l	100
36) 1,1-Dichloropropene	7.923	75	6665	2.075	ug/l	99
37) Ethyl Acetate	7.076	43	8419	3.636	ug/l #	89
38) Carbon Tetrachloride	7.899	117	7666	2.245	ug/l #	90
39) Methylcyclohexane	9.185	83	7930	1.975	ug/l	95
40) Benzene	8.161	78	19317	2.133	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016024.D
 Acq On : 18 Oct 2023 16:54
 Operator : SY/MD
 Sample : 04699-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 19 04:40:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 04:37:27 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	2633m	2.192	ug/l	
42) 1,2-Dichloroethane	8.234	62	7085	2.429	ug/l	91
43) Isopropyl Acetate	8.277	43	10551	2.606	ug/l	98
44) Trichloroethene	8.941	130	5697	2.244	ug/l	93
45) 1,2-Dichloropropane	9.222	63	4690	2.070	ug/l	91
46) Dibromomethane	9.307	93	3664	2.436	ug/l	98
47) Bromodichloromethane	9.502	83	7203	2.185	ug/l	96
48) Methyl methacrylate	9.295	41	4232	2.296	ug/l #	87
49) 1,4-Dioxane	9.350	88	1620	67.630	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	31637	13.589	ug/l	93
52) Toluene	10.246	92	12661	2.156	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	7335	2.054	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	7864	2.020	ug/l #	92
55) 1,1,2-Trichloroethane	10.648	97	5244	2.537	ug/l	95
56) Ethyl methacrylate	10.514	69	6437	2.131	ug/l	93
57) 1,3-Dichloropropane	10.794	76	8504	2.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	16368	11.283	ug/l	91
59) 2-Hexanone	10.837	43	25758	14.541	ug/l	94
60) Dibromochloromethane	10.983	129	5536	2.215	ug/l	92
61) 1,2-Dibromoethane	11.093	107	5020	2.387	ug/l	97
64) Tetrachloroethene	10.727	164	5201	2.276	ug/l	95
65) Chlorobenzene	11.520	112	13974	2.189	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	5110	2.124	ug/l	94
67) Ethyl Benzene	11.593	91	23448	2.076	ug/l	96
68) m/p-Xylenes	11.703	106	18113	4.112	ug/l	95
69) o-Xylene	12.032	106	8420	2.009	ug/l	98
70) Styrene	12.044	104	13605	1.905	ug/l	99
71) Bromoform	12.209	173	3783	2.234	ug/l #	99
73) Isopropylbenzene	12.331	105	21801	1.978	ug/l	99
74) N-amyl acetate	12.148	43	7533	2.163	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	7030	2.546	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	6303m	3.021	ug/l	
77) Bromobenzene	12.611	156	6042	2.258	ug/l	93
78) n-propylbenzene	12.672	91	27346	2.059	ug/l	99
79) 2-Chlorotoluene	12.757	91	16127	2.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	18166	1.989	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	2310	2.417	ug/l	94
82) 4-Chlorotoluene	12.855	91	16704	2.148	ug/l	97
83) tert-Butylbenzene	13.081	119	16375	2.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	18099	1.996	ug/l	98
85) sec-Butylbenzene	13.257	105	24037	2.010	ug/l	100
86) p-Isopropyltoluene	13.373	119	18768	1.878	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	11839	2.274	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	12271	2.341	ug/l	91
89) n-Butylbenzene	13.702	91	18858	2.027	ug/l	95
90) Hexachloroethane	13.965	117	4010	2.105	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	10914	2.283	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1591	3.027	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	7299	2.397	ug/l	99
94) Hexachlorobutadiene	15.117	225	3761	2.274	ug/l	96
95) Naphthalene	15.239	128	20125	2.693	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7034	2.529	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
Data File : VY016024.D
Acq On : 18 Oct 2023 16:54
Operator : SY/MD
Sample : 04699-01 2.5PPB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 19 04:40:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 19 04:37:27 2023
Response via : Initial Calibration

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

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

Manual Integrations

Quant Time: Oct 19 04:40:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 19 04:37:27 2023
Response via : Initial Calibration

