

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016023.D
 Acq On : 18 Oct 2023 16:26
 Operator : SY/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Quant Time: Oct 19 03:24:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 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	219995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	353012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	320071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	116525	46.603	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.200%		
35) Dibromofluoromethane	7.716	113	104637	45.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.060%		
50) Toluene-d8	10.179	98	379777	45.003	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.483	95	136136	45.211	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32137	17.675	ug/l	99
3) Chloromethane	2.113	50	42863	18.670	ug/l	98
4) Vinyl Chloride	2.247	62	48111	18.672	ug/l	98
5) Bromomethane	2.650	94	31407	16.710	ug/l	100
6) Chloroethane	2.790	64	26239	15.837	ug/l	97
7) Trichlorofluoromethane	3.119	101	85786	21.877	ug/l	98
8) Diethyl Ether	3.527	74	27516	19.862	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	42702	18.932	ug/l	96
10) Methyl Iodide	4.082	142	52858	17.946	ug/l	98
11) Tert butyl alcohol	5.021	59	40392m	104.649	ug/l	
12) 1,1-Dichloroethene	3.863	96	40008	18.957	ug/l	94
13) Acrolein	3.735	56	40387	146.722	ug/l	99
14) Allyl chloride	4.478	41	64081	19.418	ug/l	95
15) Acrylonitrile	5.167	53	95983	116.136	ug/l	99
16) Acetone	3.972	43	111673	120.485	ug/l	94
17) Carbon Disulfide	4.186	76	115137	18.622	ug/l	98
18) Methyl Acetate	4.485	43	76497	23.979	ug/l	92
19) Methyl tert-butyl Ether	5.228	73	137191	20.150	ug/l	97
20) Methylene Chloride	4.710	84	73833	26.814	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	46333	18.852	ug/l	92
22) Diisopropyl ether	6.125	45	137103	19.079	ug/l	94
23) Vinyl Acetate	6.064	43	457426	102.619	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	80763	18.945	ug/l	97
25) 2-Butanone	6.996	43	152764	120.329	ug/l	96
26) 2,2-Dichloropropane	6.978	77	70340	18.339	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	53355	18.850	ug/l	93
28) Bromochloromethane	7.332	49	38826	21.295	ug/l	91
29) Tetrahydrofuran	7.356	42	95034	123.668	ug/l	89
30) Chloroform	7.502	83	86156	18.849	ug/l	97
31) Cyclohexane	7.783	56	72360	18.489	ug/l #	84
32) 1,1,1-Trichloroethane	7.697	97	77234	18.885	ug/l	97
36) 1,1-Dichloropropene	7.917	75	66397	18.993	ug/l	99
37) Ethyl Acetate	7.082	43	66726	26.480	ug/l	97
38) Carbon Tetrachloride	7.899	117	70487	18.971	ug/l	98
39) Methylcyclohexane	9.179	83	82989	18.996	ug/l	94
40) Benzene	8.161	78	187028	18.983	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016023.D
 Acq On : 18 Oct 2023 16:26
 Operator : SY/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 03:24:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	27425	20.980	ug/l	94
42) 1,2-Dichloroethane	8.234	62	63359	19.964	ug/l	95
43) Isopropyl Acetate	8.277	43	98235	22.298	ug/l	95
44) Trichloroethene	8.941	130	54097	19.582	ug/l	94
45) 1,2-Dichloropropane	9.215	63	47298	19.182	ug/l	96
46) Dibromomethane	9.307	93	32943	20.124	ug/l	97
47) Bromodichloromethane	9.496	83	68792	19.174	ug/l	98
48) Methyl methacrylate	9.295	41	44211	22.046	ug/l	89
49) 1,4-Dioxane	9.331	88	15762	604.698	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	307792	121.490	ug/l	92
52) Toluene	10.246	92	121434	19.002	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	75588	19.448	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	81688	19.281	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	46349	20.610	ug/l	97
56) Ethyl methacrylate	10.508	69	69571	21.168	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	77754	20.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	180290	114.205	ug/l	93
59) 2-Hexanone	10.831	43	245283	127.252	ug/l	90
60) Dibromochloromethane	10.983	129	53661	19.730	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47224	20.633	ug/l	100
64) Tetrachloroethene	10.721	164	49992	20.143	ug/l	95
65) Chlorobenzene	11.514	112	133975	19.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	50282	19.245	ug/l	98
67) Ethyl Benzene	11.593	91	231303	18.857	ug/l	98
68) m/p-Xylenes	11.703	106	183111	38.283	ug/l	94
69) o-Xylene	12.032	106	86365	18.980	ug/l	97
70) Styrene	12.044	104	148964	19.208	ug/l	96
71) Bromoform	12.209	173	38444	20.911	ug/l #	99
73) Isopropylbenzene	12.331	105	230336	18.610	ug/l	100
74) N-amyl acetate	12.142	43	83964	21.478	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	65040	20.981	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	51499m	21.983	ug/l	
77) Bromobenzene	12.611	156	57503	19.141	ug/l	97
78) n-propylbenzene	12.672	91	281071	18.854	ug/l	99
79) 2-Chlorotoluene	12.757	91	155255	18.554	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	191901	18.719	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	21835	20.345	ug/l	98
82) 4-Chlorotoluene	12.855	91	165232	18.920	ug/l	99
83) tert-Butylbenzene	13.074	119	168517	18.746	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	193840	19.041	ug/l	98
85) sec-Butylbenzene	13.251	105	254548	18.960	ug/l	99
86) p-Isopropyltoluene	13.367	119	213441	19.024	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	112659	19.274	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	113496	19.286	ug/l	98
89) n-Butylbenzene	13.696	91	198779	19.031	ug/l	96
90) Hexachloroethane	13.958	117	40308	18.846	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	104296	19.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13984	23.698	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	68515	20.041	ug/l	99
94) Hexachlorobutadiene	15.111	225	37050	19.953	ug/l	98
95) Naphthalene	15.239	128	187585	22.355	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	63440	20.316	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
Data File : VY016023.D
Acq On : 18 Oct 2023 16:26
Operator : SY/MD
Sample : VY1018SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1018SBSD01

Manual Integrations
APPROVED

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

Quant Time: Oct 19 03:24:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 19 03:15:44 2023
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\VY101823\
 Data File : VY016023.D
 Acq On : 18 Oct 2023 16:26
 Operator : SY/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Manual Integrations APPROVED

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

Quant Time: Oct 19 03:24:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

