

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016665.D
 Acq On : 16 Dec 2023 11:31
 Operator : SY/MD
 Sample : VY1216SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Quant Time: Dec 18 00:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	212061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345205	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	301200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87224	50.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.722	113	93540	50.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%			
50) Toluene-d8	10.185	98	354434	48.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.483	95	112276	47.315	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36253	21.936	ug/l	94
3) Chloromethane	2.113	50	55948	21.723	ug/l	96
4) Vinyl Chloride	2.253	62	67379	22.790	ug/l	99
5) Bromomethane	2.650	94	48803	23.062	ug/l	98
6) Chloroethane	2.796	64	45203	23.506	ug/l	98
7) Trichlorofluoromethane	3.125	101	75619	22.899	ug/l	94
8) Diethyl Ether	3.528	74	24103	23.367	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.900	101	47124	23.074	ug/l	94
10) Methyl Iodide	4.095	142	46791	22.014	ug/l	96
11) Tert butyl alcohol	4.954	59	17590	125.688	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	44832	23.285	ug/l	92
13) Acrolein	3.729	56	14182	130.755	ug/l	98
14) Allyl chloride	4.485	41	59612	22.836	ug/l #	94
15) Acrylonitrile	5.161	53	49923	116.300	ug/l	97
16) Acetone	3.942	43	66518	151.267	ug/l	92
17) Carbon Disulfide	4.198	76	138718	22.780	ug/l	98
18) Methyl Acetate	4.479	43	34904	21.551	ug/l #	87
19) Methyl tert-butyl Ether	5.229	73	103719	22.976	ug/l	98
20) Methylene Chloride	4.723	84	56596	23.223	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	50527	22.525	ug/l	92
22) Diisopropyl ether	6.125	45	131598	23.523	ug/l #	86
23) Vinyl Acetate	6.064	43	323543	117.369	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	84846	23.240	ug/l	97
25) 2-Butanone	6.984	43	84682	138.761	ug/l	92
26) 2,2-Dichloropropane	6.984	77	75326	23.239	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	56240	23.217	ug/l	90
28) Bromochloromethane	7.338	49	16174	14.670	ug/l	89
29) Tetrahydrofuran	7.350	42	39521	117.228	ug/l	88
30) Chloroform	7.509	83	88924	23.421	ug/l	100
31) Cyclohexane	7.789	56	78494	22.925	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	80355	23.591	ug/l	98
36) 1,1-Dichloropropene	7.923	75	68773	22.424	ug/l	98
37) Ethyl Acetate	7.076	43	28740	22.740	ug/l #	92
38) Carbon Tetrachloride	7.905	117	70737	22.962	ug/l	96
39) Methylcyclohexane	9.185	83	85670	22.225	ug/l	94
40) Benzene	8.161	78	204241	22.722	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016665.D
 Acq On : 16 Dec 2023 11:31
 Operator : SY/MD
 Sample : VY1216SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 00:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12529m	19.680	ug/l	
42) 1,2-Dichloroethane	8.240	62	50817	22.120	ug/l	94
43) Isopropyl Acetate	8.277	43	52353	22.539	ug/l #	90
44) Trichloroethene	8.941	130	55248	22.069	ug/l	99
45) 1,2-Dichloropropane	9.222	63	48178	22.943	ug/l	95
46) Dibromomethane	9.307	93	26910	23.172	ug/l	96
47) Bromodichloromethane	9.502	83	66589	22.694	ug/l	95
48) Methyl methacrylate	9.295	41	28291	21.995	ug/l #	84
49) 1,4-Dioxane	9.307	88	5491	441.402	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	141012	115.752	ug/l	90
52) Toluene	10.246	92	127396	22.626	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	62523	22.587	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	75021	22.542	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	37695	23.101	ug/l	94
56) Ethyl methacrylate	10.514	69	32150	22.725	ug/l #	84
57) 1,3-Dichloropropane	10.795	76	62136	22.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	86561	96.370	ug/l	94
59) 2-Hexanone	10.837	43	122907	122.976	ug/l	88
60) Dibromochloromethane	10.990	129	44762	22.635	ug/l	99
61) 1,2-Dibromoethane	11.093	107	34455	22.498	ug/l	99
64) Tetrachloroethene	10.721	164	54410	22.049	ug/l	97
65) Chlorobenzene	11.520	112	131955	22.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	48424	22.537	ug/l	97
67) Ethyl Benzene	11.593	91	238063	22.523	ug/l	98
68) m/p-Xylenes	11.703	106	183577	45.021	ug/l	92
69) o-Xylene	12.032	106	82797	22.199	ug/l	95
70) Styrene	12.044	104	119153	22.050	ug/l	97
71) Bromoform	12.209	173	25697	22.054	ug/l #	100
73) Isopropylbenzene	12.337	105	225812	22.841	ug/l	100
74) N-amyl acetate	12.148	43	42318	22.838	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	37868	22.515	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	25813m	20.050	ug/l	
77) Bromobenzene	12.611	156	50956	21.999	ug/l	95
78) n-propylbenzene	12.672	91	270599	22.900	ug/l	99
79) 2-Chlorotoluene	12.758	91	149024	22.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	179499	22.707	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	12321	21.870	ug/l	91
82) 4-Chlorotoluene	12.855	91	150946	22.495	ug/l	98
83) tert-Butylbenzene	13.075	119	159163	23.075	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	176480	22.510	ug/l	97
85) sec-Butylbenzene	13.258	105	231120	22.835	ug/l	99
86) p-Isopropyltoluene	13.373	119	197827	22.893	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	99373	22.074	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	97465	22.018	ug/l	99
89) n-Butylbenzene	13.697	91	179790	22.396	ug/l	97
90) Hexachloroethane	13.965	117	38264	22.247	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	85465	22.126	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5337	21.924	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	43689	20.938	ug/l	98
94) Hexachlorobutadiene	15.117	225	26014	20.771	ug/l	99
95) Naphthalene	15.239	128	74361	21.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34804	20.234	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
Data File : VY016665.D
Acq On : 16 Dec 2023 11:31
Operator : SY/MD
Sample : VY1216SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 00:37:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 16 00:39:52 2023
Response via : Initial Calibration

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

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

