

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020643.D
 Acq On : 18 Dec 2024 18:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/19/2024
 Supervised By :Semsettin Yesilyurt 12/19/2024

Quant Time: Dec 19 02:51:44 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	203067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	325962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	292262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163091	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	107891	48.512	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.020%
35) Dibromofluoromethane	7.634	113	112669	49.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.103	98	386934	48.121	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.402	95	147366	46.852	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	107759	42.485	ug/l	96
3) Chloromethane	2.068	50	94039	50.039	ug/l	97
4) Vinyl Chloride	2.202	62	90996	52.022	ug/l	97
5) Bromomethane	2.592	94	63519	56.492	ug/l	99
6) Chloroethane	2.733	64	62374	57.705	ug/l	96
7) Trichlorofluoromethane	3.056	101	174768	47.750	ug/l	98
8) Diethyl Ether	3.452	74	72934	56.819	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	125653	47.896	ug/l	98
10) Methyl Iodide	4.001	142	162604	55.671	ug/l	96
11) Tert butyl alcohol	4.860	59	55613	236.442	ug/l	100
12) 1,1-Dichloroethene	3.787	96	127926	50.256	ug/l	95
13) Acrolein	3.653	56	18264	173.675	ug/l	96
14) Allyl chloride	4.385	41	213176	47.794	ug/l	98
15) Acrylonitrile	5.055	53	158352	257.868	ug/l	99
16) Acetone	3.867	43	134791	306.528	ug/l	99
17) Carbon Disulfide	4.104	76	412394	49.772	ug/l	100
18) Methyl Acetate	4.385	43	82613	54.596	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	349109	53.137	ug/l	98
20) Methylene Chloride	4.610	84	144382	52.214	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	144949	50.764	ug/l	96
22) Diisopropyl ether	6.019	45	452592	49.989	ug/l	98
23) Vinyl Acetate	5.958	43	1193649	232.780	ug/l	98
24) 1,1-Dichloroethane	5.915	63	266732	50.289	ug/l	99
25) 2-Butanone	6.890	43	205189	248.257	ug/l	95
26) 2,2-Dichloropropane	6.884	77	184126	36.722	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	170638	51.942	ug/l	93
28) Bromochloromethane	7.244	49	98192	54.885	ug/l	94
29) Tetrahydrofuran	7.256	42	132716	254.361	ug/l	97
30) Chloroform	7.421	83	279953	52.868	ug/l	99
31) Cyclohexane	7.695	56	214439	42.283	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	238580	48.961	ug/l	98
36) 1,1-Dichloropropene	7.835	75	188310	44.953	ug/l	98
37) Ethyl Acetate	6.982	43	92033	46.707	ug/l	97
38) Carbon Tetrachloride	7.817	117	212238	45.794	ug/l	95
39) Methylcyclohexane	9.103	83	239401	43.848	ug/l	99
40) Benzene	8.079	78	595148	48.470	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020643.D
 Acq On : 18 Dec 2024 18:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 19 02:51:44 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

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/19/2024
 Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	50102	48.096	ug/l	95
42) 1,2-Dichloroethane	8.158	62	159024	48.832	ug/l	98
43) Isopropyl Acetate	8.195	43	180182	48.301	ug/l	97
44) Trichloroethene	8.860	130	148664	49.274	ug/l	99
45) 1,2-Dichloropropane	9.140	63	141178	49.196	ug/l	99
46) Dibromomethane	9.225	93	77919	51.377	ug/l	98
47) Bromodichloromethane	9.420	83	203637	49.708	ug/l	99
48) Methyl methacrylate	9.219	41	86076	48.538	ug/l	95
49) 1,4-Dioxane	9.231	88	18054	1038.025	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	468337	237.851	ug/l	96
52) Toluene	10.170	92	374520	49.081	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	183802	48.150	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	215579	47.659	ug/l	96
55) 1,1,2-Trichloroethane	10.567	97	103207	51.471	ug/l	97
56) Ethyl methacrylate	10.438	69	153276	52.691	ug/l	93
57) 1,3-Dichloropropane	10.713	76	181903	50.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	311600	254.578	ug/l	97
59) 2-Hexanone	10.756	43	316795	250.588	ug/l	97
60) Dibromochloromethane	10.908	129	137963	51.448	ug/l	99
61) 1,2-Dibromoethane	11.012	107	97041	52.029	ug/l	100
64) Tetrachloroethene	10.646	164	164440	59.817	ug/l	98
65) Chlorobenzene	11.438	112	400755	49.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	139862	50.051	ug/l	99
67) Ethyl Benzene	11.518	91	706659	46.872	ug/l	97
68) m/p-Xylenes	11.627	106	531462	94.810	ug/l	100
69) o-Xylene	11.950	106	256214	48.988	ug/l	99
70) Styrene	11.969	104	435437	49.830	ug/l	99
71) Bromoform	12.127	173	80067	50.963	ug/l #	99
73) Isopropylbenzene	12.249	105	658114	46.241	ug/l	99
74) N-ethyl acetate	12.066	43	160277	48.120	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	113286	49.037	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	77662m	45.840	ug/l	
77) Bromobenzene	12.530	156	153437	49.493	ug/l	98
78) n-propylbenzene	12.591	91	781770	45.592	ug/l	99
79) 2-Chlorotoluene	12.676	91	456118	47.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	537070	46.507	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	36085	44.708	ug/l	99
82) 4-Chlorotoluene	12.773	91	462466	46.207	ug/l	99
83) tert-Butylbenzene	12.993	119	483924	46.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	530579	46.840	ug/l	98
85) sec-Butylbenzene	13.176	105	684790	45.033	ug/l	100
86) p-Isopropyltoluene	13.292	119	576291	45.965	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	288882	47.204	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	285320	47.073	ug/l	99
89) n-Butylbenzene	13.615	91	533020	44.859	ug/l	99
90) Hexachloroethane	13.877	117	114496	46.082	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	255398	48.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17285	46.085	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	154231	48.087	ug/l	99
94) Hexachlorobutadiene	15.023	225	97051	46.288	ug/l	99
95) Naphthalene	15.145	128	280168	50.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	130752	48.251	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020643.D
Acq On : 18 Dec 2024 18:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Quant Time: Dec 19 02:51:44 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

