

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008910.D
 Acq On : 20 May 2022 08:52
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 20 09:08:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

05/24/2022
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	206865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130179	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69648	67.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.140%	
35) Dibromofluoromethane	7.710	113	63137	54.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.000%	
50) Toluene-d8	10.179	98	273271	52.418	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.840%	
62) 4-Bromofluorobenzene	12.483	95	100972	54.133	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.260%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33520	48.285	ug/l	97
3) Chloromethane	2.113	50	63830	66.998	ug/l	97
4) Vinyl Chloride	2.247	62	90499	61.963	ug/l	99
5) Bromomethane	2.643	94	90071	70.482	ug/l	97
6) Chloroethane	2.790	64	68915	61.450	ug/l	100
7) Trichlorofluoromethane	3.119	101	78355	52.937	ug/l	96
8) Diethyl Ether	3.527	74	28348	57.580	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	48905	53.767	ug/l	96
10) Methyl Iodide	4.088	142	42445	36.871	ug/l	94
11) Tert butyl alcohol	4.948	59	27226	238.978	ug/l #	77
12) 1,1-Dichloroethene	3.869	96	45699	48.469	ug/l	90
13) Acrolein	3.723	56	6360	112.848	ug/l	100
14) Allyl chloride	4.479	41	72243	52.091	ug/l #	87
15) Acrylonitrile	5.161	53	81181	243.164	ug/l	99
16) Acetone	3.942	43	58614	255.468	ug/l	90
17) Carbon Disulfide	4.186	76	124138	51.443	ug/l	99
18) Methyl Acetate	4.472	43	36572	49.946	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	156032	61.446	ug/l	94
20) Methylene Chloride	4.716	84	64808	62.658	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	58661	50.742	ug/l	87
22) Diisopropyl ether	6.118	45	195619	66.604	ug/l #	95
23) Vinyl Acetate	6.058	43	643089	310.544	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	110216	56.554	ug/l	98
25) 2-Butanone	6.984	43	108010	249.680	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	82407	44.489	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	73494	57.317	ug/l	86
28) Bromochloromethane	7.332	49	41736	56.487	ug/l #	95
29) Tetrahydrofuran	7.344	42	72940	253.110	ug/l #	86
30) Chloroform	7.502	83	123363	59.040	ug/l	100
31) Cyclohexane	7.783	56	87428	53.936	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	106488	54.968	ug/l	98
36) 1,1-Dichloropropene	7.911	75	88426	47.220	ug/l	98
37) Ethyl Acetate	7.069	43	50383	45.149	ug/l	96
38) Carbon Tetrachloride	7.899	117	93655	46.666	ug/l	97
39) Methylcyclohexane	9.179	83	104635	47.117	ug/l	90
40) Benzene	8.155	78	276081	52.689	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008910.D
 Acq On : 20 May 2022 08:52
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 20 09:08:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

05/24/2022
 Supervised By : Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	28376m	48.352	ug/l	
42) 1,2-Dichloroethane	8.234	62	83826	54.500	ug/l	93
43) Isopropyl Acetate	8.271	43	100809	54.265	ug/l #	93
44) Trichloroethene	8.935	130	70031	49.133	ug/l	93
45) 1,2-Dichloropropane	9.209	63	71159	57.143	ug/l	95
46) Dibromomethane	9.301	93	44018	53.793	ug/l	94
47) Bromodichloromethane	9.496	83	102815	56.677	ug/l	97
48) Methyl methacrylate	9.289	41	44593	54.668	ug/l #	84
49) 1,4-Dioxane	9.289	88	11754	956.317	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	288110	262.709	ug/l	92
52) Toluene	10.240	92	201001	56.453	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	105548	56.016	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	109497	53.890	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	64378	57.855	ug/l	98
56) Ethyl methacrylate	10.508	69	83602	61.926	ug/l	84
57) 1,3-Dichloropropane	10.788	76	105843	57.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	195501	283.981	ug/l	95
59) 2-Hexanone	10.831	43	202847	258.868	ug/l	90
60) Dibromochloromethane	10.983	129	78682	58.902	ug/l	100
61) 1,2-Dibromoethane	11.087	107	62326	56.166	ug/l	98
64) Tetrachloroethene	10.721	164	61564	46.492	ug/l	96
65) Chlorobenzene	11.514	112	213615	51.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	83588	54.648	ug/l	97
67) Ethyl Benzene	11.593	91	390394	52.214	ug/l	99
68) m/p-Xylenes	11.703	106	325110	109.148	ug/l	91
69) o-Xylene	12.026	106	154707	56.212	ug/l	91
70) Styrene	12.044	104	271997	58.381	ug/l	95
71) Bromoform	12.209	173	57134	55.025	ug/l #	99
73) Isopropylbenzene	12.331	105	415529	46.541	ug/l	100
74) N-amyl acetate	12.142	43	110252	51.735	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	90612	45.652	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	62906m	41.833	ug/l	
77) Bromobenzene	12.611	156	95822	46.319	ug/l	96
78) n-propylbenzene	12.672	91	509936	46.492	ug/l	100
79) 2-Chlorotoluene	12.758	91	287112	48.329	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	363883	50.479	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	27459	39.941	ug/l #	84
82) 4-Chlorotoluene	12.855	91	314902	50.175	ug/l	96
83) tert-Butylbenzene	13.075	119	324199	50.009	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	368548	51.644	ug/l	96
85) sec-Butylbenzene	13.251	105	504938	49.922	ug/l	99
86) p-Isopropyltoluene	13.367	119	422173	51.190	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	218987	50.379	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	217056	50.483	ug/l	98
89) n-Butylbenzene	13.696	91	368322	47.050	ug/l	99
90) Hexachloroethane	13.959	117	79548	51.016	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	198810	52.301	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13656	40.238	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	96638	46.555	ug/l	99
94) Hexachlorobutadiene	15.111	225	52678	44.102	ug/l	99
95) Naphthalene	15.239	128	213492	46.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	87945	48.228	ug/l	100

05/24/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
Data File : VY008910.D
Acq On : 20 May 2022 08:52
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 58 Sample Multiplier: 1

Quant Time: May 20 09:08:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/24/2022
Supervised By :Mahesh Dadoda 05/24/2022

05/24/2022
Supervised By :Mahesh
Dadoda

05/24/2022

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

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

Manual Integrations APPROVED

05/24/2022
Supervised By :Mahesh
Dadoda

05/24/2022

05/24/2022
Supervised By :Mahesh
Dadoda

05/24/2022

Quant Time: May 20 09:08:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration

