

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007943.D
 Acq On : 21 Mar 2022 09:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 21 19:02:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	430540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	386051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	150074	51.421	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.840%			
35) Dibromofluoromethane	7.716	113	161718	53.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.960%			
50) Toluene-d8	10.179	98	550735	61.685	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 123.380%			
62) 4-Bromofluorobenzene	12.483	95	213599	49.222	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	85266	51.291	ug/l	99
3) Chloromethane	2.119	50	115668	56.900	ug/l	96
4) Vinyl Chloride	2.253	62	142807	55.565	ug/l	98
5) Bromomethane	2.650	94	105462	62.831	ug/l	99
6) Chloroethane	2.796	64	101815	48.638	ug/l	96
7) Trichlorofluoromethane	3.131	101	229689	48.941	ug/l	94
8) Diethyl Ether	3.534	74	84131	48.302	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.906	101	152875	50.432	ug/l	91
10) Methyl Iodide	4.095	142	139150	49.661	ug/l	90
11) Tert butyl alcohol	4.954	59	84539	248.640	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	131100	47.167	ug/l	86
13) Acrolein	3.735	56	20192	98.600	ug/l	99
14) Allyl chloride	4.485	41	222937	47.686	ug/l #	93
15) Acrylonitrile	5.161	53	232884	250.886	ug/l	97
16) Acetone	3.948	43	206739	267.020	ug/l #	89
17) Carbon Disulfide	4.198	76	273773	51.861	ug/l	100
18) Methyl Acetate	4.479	43	94311	51.333	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	451462	51.781	ug/l	94
20) Methylene Chloride	4.716	84	156983	52.500	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	148529	47.733	ug/l #	82
22) Diisopropyl ether	6.119	45	519229	51.624	ug/l #	94
23) Vinyl Acetate	6.058	43	1676488	266.126	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	288483	50.922	ug/l	99
25) 2-Butanone	6.984	43	306039	246.773	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	275047	52.383	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	189695	50.789	ug/l	87
28) Bromochloromethane	7.332	49	112553	50.299	ug/l	84
29) Tetrahydrofuran	7.350	42	190257	239.429	ug/l #	85
30) Chloroform	7.509	83	311667	53.225	ug/l	100
31) Cyclohexane	7.783	56	227064	53.879	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	268921	50.989	ug/l	96
36) 1,1-Dichloropropene	7.917	75	208994	46.602	ug/l	96
37) Ethyl Acetate	7.076	43	130184	47.575	ug/l #	94
38) Carbon Tetrachloride	7.899	117	238770	49.825	ug/l	97
39) Methylcyclohexane	9.185	83	260755	52.665	ug/l	89
40) Benzene	8.161	78	628813	47.982	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007943.D
 Acq On : 21 Mar 2022 09:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 21 19:02:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	81055m	48.030	ug/l	
42) 1,2-Dichloroethane	8.234	62	191284	50.412	ug/l	92
43) Isopropyl Acetate	8.271	43	254454	48.234	ug/l #	91
44) Trichloroethene	8.941	130	176737	48.771	ug/l	99
45) 1,2-Dichloropropane	9.216	63	167439	49.343	ug/l	94
46) Dibromomethane	9.307	93	98251	49.494	ug/l	94
47) Bromodichloromethane	9.496	83	245145	51.118	ug/l	99
48) Methyl methacrylate	9.295	41	107754	45.916	ug/l #	83
49) 1,4-Dioxane	9.301	88	28600	1017.294	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	666254	239.707	ug/l	90
52) Toluene	10.246	92	408788	48.571	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	254077	49.664	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	281778	49.391	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	147996	51.316	ug/l	98
56) Ethyl methacrylate	10.514	69	202069	48.805	ug/l #	82
57) 1,3-Dichloropropane	10.795	76	240027	49.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	498442	245.405	ug/l	94
59) 2-Hexanone	10.831	43	471823	237.381	ug/l	87
60) Dibromochloromethane	10.984	129	178369	51.639	ug/l	100
61) 1,2-Dibromoethane	11.093	107	135801	48.673	ug/l	100
64) Tetrachloroethene	10.721	164	138821	46.211	ug/l	96
65) Chlorobenzene	11.520	112	458976	49.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	178223	51.186	ug/l	97
67) Ethyl Benzene	11.593	91	802107	48.691	ug/l	96
68) m/p-Xylenes	11.703	106	624098	97.121	ug/l	93
69) o-Xylene	12.032	106	303914	48.894	ug/l	94
70) Styrene	12.044	104	519824	49.742	ug/l	95
71) Bromoform	12.215	173	111734	50.100	ug/l #	98
73) Isopropylbenzene	12.331	105	824649	50.215	ug/l	100
74) N-amyl acetate	12.148	43	230230	47.518	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	176237	49.855	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	121063m	45.525	ug/l	
77) Bromobenzene	12.611	156	188013	50.100	ug/l	98
78) n-propylbenzene	12.672	91	979672	49.402	ug/l	98
79) 2-Chlorotoluene	12.758	91	553292	49.592	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	672251	49.777	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	61212	48.348	ug/l #	84
82) 4-Chlorotoluene	12.861	91	564902	48.739	ug/l	98
83) tert-Butylbenzene	13.081	119	620903	51.377	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	653108	49.333	ug/l	98
85) sec-Butylbenzene	13.258	105	914207	50.476	ug/l	99
86) p-Isopropyltoluene	13.373	119	734305	49.940	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	370721	50.582	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	370129	50.387	ug/l	98
89) n-Butylbenzene	13.703	91	701532	49.716	ug/l	98
90) Hexachloroethane	13.965	117	149978	51.103	ug/l	84
91) 1,2-Dichlorobenzene	13.745	146	336706	51.074	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	27423	45.092	ug/l	78
93) 1,2,4-Trichlorobenzene	15.013	180	203243	48.769	ug/l	98
94) Hexachlorobutadiene	15.117	225	104153	46.846	ug/l	99
95) Naphthalene	15.239	128	455295	48.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	177592	48.316	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007943.D
Acq On : 21 Mar 2022 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 03/22/2022
Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 21 19:02:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

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

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

