

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009461.D
 Acq On : 06 Jul 2022 18:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 01:51:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	179067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	266006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70508	49.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.710	113	79369	50.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.280%
50) Toluene-d8	10.173	98	243982	50.773	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.477	95	122999	53.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	107.940%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	56964	38.640	ug/l	96
3) Chloromethane	2.107	50	67635	42.165	ug/l	95
4) Vinyl Chloride	2.241	62	78133	42.107	ug/l	97
5) Bromomethane	2.637	94	51114	42.928	ug/l	95
6) Chloroethane	2.784	64	47317	47.825	ug/l	92
7) Trichlorofluoromethane	3.113	101	112128	45.547	ug/l	96
8) Diethyl Ether	3.521	74	47164	49.033	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	81208	46.018	ug/l	96
10) Methyl Iodide	4.076	142	98313	50.754	ug/l #	87
11) Tert butyl alcohol	4.948	59	51976	219.075	ug/l	96
12) 1,1-Dichloroethene	3.863	96	73231	45.494	ug/l	83
13) Acrolein	3.716	56	18678	156.033	ug/l	99
14) Allyl chloride	4.466	41	137969	46.777	ug/l	93
15) Acrylonitrile	5.155	53	138596	254.349	ug/l	97
16) Acetone	3.942	43	103953	220.691	ug/l	90
17) Carbon Disulfide	4.186	76	177318	39.601	ug/l	100
18) Methyl Acetate	4.466	43	64018	52.809	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	250634	51.918	ug/l	98
20) Methylene Chloride	4.704	84	108173	50.406	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	86480	44.874	ug/l	89
22) Diisopropyl ether	6.106	45	319271	51.292	ug/l	95
23) Vinyl Acetate	6.051	43	1043566	267.629	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	167265	47.795	ug/l	98
25) 2-Butanone	6.978	43	184335	246.843	ug/l #	91
26) 2,2-Dichloropropane	6.972	77	152815	46.136	ug/l	95
27) cis-1,2-Dichloroethene	6.972	96	107166	47.865	ug/l	91
28) Bromochloromethane	7.325	49	79622	52.985	ug/l #	90
29) Tetrahydrofuran	7.338	42	124004	259.005	ug/l	93
30) Chloroform	7.496	83	176067	48.950	ug/l	100
31) Cyclohexane	7.777	56	136674	42.367	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	153623	47.694	ug/l	97
36) 1,1-Dichloropropene	7.911	75	127847	46.653	ug/l	98
37) Ethyl Acetate	7.069	43	83014	51.081	ug/l	96
38) Carbon Tetrachloride	7.892	117	135952	47.463	ug/l	99
39) Methylcyclohexane	9.179	83	148845	45.892	ug/l	91
40) Benzene	8.155	78	383094	47.803	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009461.D
 Acq On : 06 Jul 2022 18:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 01:51:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	37919m	41.300	ug/l	93
42) 1,2-Dichloroethane	8.228	62	115883	50.409	ug/l	93
43) Isopropyl Acetate	8.264	43	157997	52.952	ug/l #	94
44) Trichloroethene	8.935	130	108591	48.767	ug/l	98
45) 1,2-Dichloropropane	9.209	63	100918	49.713	ug/l	98
46) Dibromomethane	9.301	93	57398	49.356	ug/l	98
47) Bromodichloromethane	9.490	83	139944	50.814	ug/l	98
48) Methyl methacrylate	9.289	41	69326	53.896	ug/l	90
49) 1,4-Dioxane	9.295	88	17032	1050.648	ug/l #	90
51) 4-Methyl-2-Pentanone	10.063	43	413994	269.106	ug/l	93
52) Toluene	10.240	92	249566	49.358	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	149197	54.156	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	166168	50.517	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	86279	55.763	ug/l	97
56) Ethyl methacrylate	10.502	69	119106	60.308	ug/l #	83
57) 1,3-Dichloropropane	10.782	76	142884	52.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	303283	277.359	ug/l	95
59) 2-Hexanone	10.825	43	280975	264.394	ug/l	90
60) Dibromochloromethane	10.977	129	103584	52.901	ug/l	99
61) 1,2-Dibromoethane	11.087	107	82602	53.176	ug/l	100
64) Tetrachloroethene	10.715	164	119056	48.075	ug/l	96
65) Chlorobenzene	11.514	112	276285	48.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	105072	50.327	ug/l	98
67) Ethyl Benzene	11.587	91	482398	48.856	ug/l	98
68) m/p-Xylenes	11.697	106	382503	96.880	ug/l	92
69) o-Xylene	12.026	106	183958	49.372	ug/l	91
70) Styrene	12.038	104	310810	50.347	ug/l	96
71) Bromoform	12.203	173	68416	52.153	ug/l #	99
73) Isopropylbenzene	12.325	105	486627	48.497	ug/l	99
74) N-amyl acetate	12.142	43	134932	51.265	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	93904	48.312	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	67318m	42.314	ug/l	94
77) Bromobenzene	12.605	156	117079	48.947	ug/l	94
78) n-propylbenzene	12.666	91	582164	47.695	ug/l	97
79) 2-Chlorotoluene	12.751	91	329230	47.786	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	407110	48.517	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	35029	49.023	ug/l	86
82) 4-Chlorotoluene	12.849	91	338119	47.225	ug/l	97
83) tert-Butylbenzene	13.068	119	366211	51.945	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	404535	50.733	ug/l	98
85) sec-Butylbenzene	13.251	105	529327	49.850	ug/l	97
86) p-Isopropyltoluene	13.367	119	447221	50.085	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	227571	48.156	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	228962	47.085	ug/l	100
89) n-Butylbenzene	13.690	91	412109	49.120	ug/l	97
90) Hexachloroethane	13.958	117	88160	49.798	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	208370	48.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	17624	54.101	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	132577	52.109	ug/l	99
94) Hexachlorobutadiene	15.111	225	74257	51.992	ug/l	98
95) Naphthalene	15.233	128	285781	56.102	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	118643	53.676	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009461.D
 Acq On : 06 Jul 2022 18:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 01:51:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

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

07/07/2022
 Supervised By :Mahesh
 Dadoda

07/07/2022

