

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
 Data File : VY001006.D
 Acq On : 19 Dec 2019 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/20/2019 1:03:06 PM

Quant Time: Dec 20 08:03:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	521721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	466301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	215619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	136866	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
35) Dibromofluoromethane	7.72	113	140488	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	10.18	98	556800	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.48	95	190721	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	136660	42.421	ug/l	96
3) Chloromethane	2.12	50	175579	44.214	ug/l	100
4) Vinyl Chloride	2.25	62	180600	46.146	ug/l	99
5) Bromomethane	2.65	94	113441	47.927	ug/l	98
6) Chloroethane	2.79	64	116897	48.716	ug/l	97
7) Trichlorofluoromethane	3.13	101	275018	51.275	ug/l	95
8) Diethyl Ether	3.53	74	110946	54.959	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	183293	55.339	ug/l	98
10) Methyl Iodide	4.09	142	240987	57.788	ug/l	96
11) Tert butyl alcohol	4.96	59	81060	253.368	ug/l	99
12) 1,1-Dichloroethene	3.88	96	180970	55.151	ug/l	91
13) Acrolein	3.73	56	73514	233.265	ug/l	97
14) Allyl chloride	4.48	41	282319	50.178	ug/l	97
15) Acrylonitrile	5.16	53	290481	278.663	ug/l	97
16) Acetone	3.95	43	160587	220.138	ug/l	99
17) Carbon Disulfide	4.19	76	523261	49.306	ug/l	98
18) Methyl Acetate	4.47	43	163780	53.695	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	483088	55.127	ug/l	100
20) Methylene Chloride	4.72	84	210767	54.812	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	202595	54.321	ug/l	96
22) Diisopropyl ether	6.13	45	604256	52.254	ug/l	96
23) Vinyl Acetate	6.07	43	1846441	262.649	ug/l	97
24) 1,1-Dichloroethane	6.02	63	350326	54.966	ug/l	98
25) 2-Butanone	6.99	43	319972	237.447	ug/l	91
26) 2,2-Dichloropropane	6.99	77	286667	53.440	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	228575	56.697	ug/l	96
28) Bromochloromethane	7.34	49	123130	52.582	ug/l	97
29) Tetrahydrofuran	7.35	42	234191	262.265	ug/l	98
30) Chloroform	7.51	83	332552	52.012	ug/l	92
31) Cyclohexane	7.78	56	339758	50.321	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	288473	54.639	ug/l	97
36) 1,1-Dichloropropene	7.93	75	275073	53.026	ug/l	99
37) Ethyl Acetate	7.08	43	152386	50.875	ug/l	99
38) Carbon Tetrachloride	7.91	117	249000	53.898	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
 Data File : VY001006.D
 Acq On : 19 Dec 2019 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/20/2019 1:03:06 PM

Quant Time: Dec 20 08:03:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	365364	53.161	ug/l	98
40) Benzene	8.16	78	832905	55.122	ug/l	97
41) Methacrylonitrile	7.32	41	69112m	43.778	ug/l	
42) 1,2-Dichloroethane	8.24	62	204576	51.481	ug/l	97
43) Isopropyl Acetate	8.28	43	293819	52.053	ug/l	98
44) Trichloroethene	8.94	130	213037	54.860	ug/l	96
45) 1,2-Dichloropropane	9.22	63	211259	55.661	ug/l	98
46) Dibromomethane	9.30	93	108013	54.467	ug/l	97
47) Bromodichloromethane	9.50	83	255861	54.923	ug/l	99
48) Methyl methacrylate	9.29	41	123641	49.812	ug/l	89
49) 1,4-Dioxane	9.30	88	29639	1054.817	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	756742	259.475	ug/l	97
52) Toluene	10.24	92	515170	55.065	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	281587	56.261	ug/l	99
54) cis-1,3-Dichloropropene	9.92	75	333348	56.348	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	163221	55.709	ug/l	98
56) Ethyl methacrylate	10.51	69	236860	56.512	ug/l	96
57) 1,3-Dichloropropane	10.79	76	285140	55.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	377457	223.351	ug/l	99
59) 2-Hexanone	10.83	43	537266	252.814	ug/l	97
60) Dibromochloromethane	10.98	129	181281	57.476	ug/l	100
61) 1,2-Dibromoethane	11.08	107	155111	56.175	ug/l	100
64) Tetrachloroethene	10.72	164	220694	54.474	ug/l	99
65) Chlorobenzene	11.51	112	534930	55.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	184202	56.392	ug/l	100
67) Ethyl Benzene	11.59	91	980427	54.312	ug/l	97
68) m/p-Xylenes	11.70	106	745284	109.996	ug/l	97
69) o-Xylene	12.02	106	349208	55.276	ug/l	97
70) Styrene	12.04	104	607506	56.160	ug/l	98
71) Bromoform	12.20	173	104322	56.626	ug/l #	98
73) Isopropylbenzene	12.33	105	939583	54.728	ug/l	99
74) N-amyl acetate	12.14	43	251035	52.534	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	185413	54.812	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	122639m	50.201	ug/l	
77) Bromobenzene	12.61	156	209507	56.298	ug/l	97
78) n-propylbenzene	12.67	91	1159283	55.303	ug/l	100
79) 2-Chlorotoluene	12.75	91	630261	54.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	772465	54.342	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	69328	55.744	ug/l	97
82) 4-Chlorotoluene	12.85	91	649180	54.410	ug/l	98
83) tert-Butylbenzene	13.07	119	653324	54.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	782683	55.035	ug/l	99
85) sec-Butylbenzene	13.25	105	969148	55.759	ug/l	100
86) p-Isopropyltoluene	13.36	119	843960	55.826	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	405100	55.490	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	409311	56.625	ug/l	100
89) n-Butylbenzene	13.69	91	851124	55.685	ug/l	99
90) Hexachloroethane	13.95	117	158374	56.870	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	372307	56.697	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	30060	53.079	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
Data File : VY001006.D
Acq On : 19 Dec 2019 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/20/2019 1:03:06 PM

Quant Time: Dec 20 08:03:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	253053	56.950	ug/l	99
94) Hexachlorobutadiene	15.11	225	125975	57.182	ug/l	98
95) Naphthalene	15.23	128	585396	56.738	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	224533	56.572	ug/l	98

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

