

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012742.D
 Acq On : 08 Sep 2019 01:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:10 PM

Quant Time: Sep 08 05:56:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	145141	59.17	ug/l	0.00
Spiked Amount			Recovery	=	118.34%	
35) Dibromofluoromethane	7.88	113	108254	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.32	98	422947	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	154776	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52939	44.483	ug/l	97
3) Chloromethane	2.21	50	61821	42.743	ug/l	96
4) Vinyl Chloride	2.35	62	76539	43.160	ug/l	99
5) Bromomethane	2.78	94	47554	49.382	ug/l	98
6) Chloroethane	2.92	64	48591	45.917	ug/l	94
7) Trichlorofluoromethane	3.25	101	49405	40.371	ug/l	95
8) Diethyl Ether	3.68	74	49596	48.220	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	84221	43.855	ug/l	98
10) Methyl Iodide	4.27	142	116442	48.164	ug/l	98
11) Tert butyl alcohol	5.21	59	52694	280.785	ug/l	97
12) 1,1-Dichloroethene	4.04	96	80319	44.304	ug/l	98
13) Acrolein	3.89	56	34489	173.182	ug/l	100
14) Allyl chloride	4.67	41	178975	47.724	ug/l	99
15) Acrylonitrile	5.37	53	166722	277.525	ug/l	99
16) Acetone	4.14	43	134499m	201.139	ug/l	
17) Carbon Disulfide	4.38	76	169280	43.990	ug/l	100
18) Methyl Acetate	4.67	43	88019	56.104	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	211142	58.726	ug/l	99
20) Methylene Chloride	4.92	84	106428	50.874	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97906	52.928	ug/l	96
22) Diisopropyl ether	6.31	45	424162	57.026	ug/l	97
23) Vinyl Acetate	6.25	43	1321585	280.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	221468	55.299	ug/l	99
25) 2-Butanone	7.17	43	226039	231.186	ug/l	99
26) 2,2-Dichloropropane	7.16	77	116908	46.218	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	118538	55.267	ug/l	98
28) Bromochloromethane	7.51	49	108634	59.074	ug/l #	98
29) Tetrahydrofuran	7.53	42	146601	271.487	ug/l	98
30) Chloroform	7.67	83	224732	56.620	ug/l	98
31) Cyclohexane	7.95	56	162810	45.156	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	173510	53.929	ug/l	100
36) 1,1-Dichloropropene	8.08	75	152860	50.819	ug/l	99
37) Ethyl Acetate	7.25	43	98798	51.525	ug/l	99
38) Carbon Tetrachloride	8.07	117	154841	52.222	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012742.D
 Acq On : 08 Sep 2019 01:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:10 PM

Quant Time: Sep 08 05:56:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	158314	46.862	ug/l	98
40) Benzene	8.32	78	445820	53.420	ug/l	98
41) Methacrylonitrile	7.48	41	63102	48.534	ug/l	98
42) 1,2-Dichloroethane	8.40	62	165687	56.412	ug/l	100
43) Isopropyl Acetate	8.42	43	204044	56.168	ug/l	99
44) Trichloroethene	9.09	130	110571	51.399	ug/l	98
45) 1,2-Dichloropropane	9.37	63	124384	53.738	ug/l	99
46) Dibromomethane	9.46	93	61845	56.424	ug/l	98
47) Bromodichloromethane	9.64	83	169977	56.367	ug/l	100
48) Methyl methacrylate	9.43	41	96091	55.350	ug/l	97
49) 1,4-Dioxane	9.46	88	23330	1077.564	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	555351	291.337	ug/l	100
52) Toluene	10.38	92	280438	53.840	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172190	55.531	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	189529	53.880	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90767	55.314	ug/l	98
56) Ethyl methacrylate	10.65	69	139119	57.917	ug/l	98
57) 1,3-Dichloropropane	10.93	76	166071	54.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	350587	274.928	ug/l	99
59) 2-Hexanone	10.96	43	376336	270.231	ug/l	99
60) Dibromochloromethane	11.13	129	107985	55.954	ug/l	100
61) 1,2-Dibromoethane	11.23	107	84031	55.856	ug/l	98
64) Tetrachloroethene	10.86	164	100382	53.957	ug/l	97
65) Chlorobenzene	11.66	112	301883	52.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119243	55.255	ug/l	100
67) Ethyl Benzene	11.73	91	561167	51.613	ug/l	100
68) m/p-Xylenes	11.83	106	404810	103.149	ug/l	99
69) o-Xylene	12.16	106	199067	53.766	ug/l	98
70) Styrene	12.18	104	355398	54.321	ug/l	99
71) Bromoform	12.35	173	66428	55.404	ug/l #	99
73) Isopropylbenzene	12.46	105	547097	51.200	ug/l	99
74) N-amyl acetate	12.27	43	168843	49.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118064	55.017	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	79691m	52.310	ug/l	
77) Bromobenzene	12.74	156	131779	54.434	ug/l	99
78) n-propylbenzene	12.80	91	668119	52.279	ug/l	100
79) 2-Chlorotoluene	12.89	91	388971	53.018	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484264	53.783	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35831	49.746	ug/l	94
82) 4-Chlorotoluene	12.99	91	415346	53.521	ug/l	100
83) tert-Butylbenzene	13.21	119	399715	50.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	479421	52.842	ug/l	99
85) sec-Butylbenzene	13.38	105	564808	51.125	ug/l	100
86) p-Isopropyltoluene	13.50	119	515291	51.064	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	253352	53.243	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	247230	52.214	ug/l	100
89) n-Butylbenzene	13.82	91	496557	50.686	ug/l	99
90) Hexachloroethane	14.09	117	95322	54.110	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	232896	54.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22317	56.827	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012742.D
Acq On : 08 Sep 2019 01:56
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:03:10 PM

Quant Time: Sep 08 05:56:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	168295	56.440	ug/l	99
94) Hexachlorobutadiene	15.24	225	105493	51.113	ug/l	99
95) Naphthalene	15.36	128	332049	52.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	152464	57.926	ug/l	100

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

