

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM

Quant Time: Mar 07 07:06:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	15057	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
35) Dibromofluoromethane	7.88	113	12004	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
50) Toluene-d8	10.32	98	49209	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	19716	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	15978	5.509	ug/l 96
3) Chloromethane	2.21	50	18594	5.089	ug/l 100
4) Vinyl Chloride	2.36	62	18378	5.020	ug/l 90
5) Bromomethane	2.76	94	16707	5.197	ug/l 94
6) Chloroethane	2.92	64	13407	5.165	ug/l 94
7) Trichlorofluoromethane	3.26	101	23966	5.082	ug/l 94
8) Diethyl Ether	3.68	74	7655	5.200	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15736	5.377	ug/l 96
10) Methyl Iodide	4.28	142	8286	2.999	ug/l 98
11) Tert butyl alcohol	5.19	59	5970m	27.863	ug/l
12) 1,1-Dichloroethene	4.04	96	13066	5.124	ug/l 97
13) Acrolein	3.90	56	6442	26.820	ug/l 92
14) Allyl chloride	4.67	41	21147	4.797	ug/l 98
15) Acrylonitrile	5.37	53	15934	25.282	ug/l 93
16) Acetone	4.13	43	15173	25.233	ug/l 98
17) Carbon Disulfide	4.38	76	41931	4.907	ug/l # 95
18) Methyl Acetate	4.67	43	6529	4.760	ug/l # 86
19) Methyl tert-butyl Ether	5.43	73	31385	4.754	ug/l 95
20) Methylene Chloride	4.92	84	23968	6.808	ug/l 89
21) trans-1,2-Dichloroethene	5.43	96	15110	5.180	ug/l 81
22) Diisopropyl ether	6.32	45	40925	4.649	ug/l # 97
23) Vinyl Acetate	6.26	43	122175	22.283	ug/l 99
24) 1,1-Dichloroethane	6.21	63	25038	4.891	ug/l 91
25) 2-Butanone	7.18	43	21265	24.846	ug/l # 89
26) 2,2-Dichloropropane	7.17	77	24396	5.210	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	14146	4.607	ug/l 90
28) Bromochloromethane	7.51	49	11142	5.014	ug/l 94
29) Tetrahydrofuran	7.54	42	12370	23.005	ug/l 98
30) Chloroform	7.68	83	24609	4.696	ug/l 96
31) Cyclohexane	7.95	56	31357	5.957	ug/l # 90
32) 1,1,1-Trichloroethane	7.87	97	23778	4.940	ug/l 96
36) 1,1-Dichloropropene	8.09	75	21282	5.067	ug/l 99
37) Ethyl Acetate	7.26	43	8773	4.722	ug/l # 94
38) Carbon Tetrachloride	8.07	117	21843	5.025	ug/l 92

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM

Quant Time: Mar 07 07:06:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24262	4.782	ug/l	92
40) Benzene	8.32	78	56865	5.019	ug/l	95
41) Methacrylonitrile	7.49	41	5405	4.905	ug/l	92
42) 1,2-Dichloroethane	8.40	62	17754	4.883	ug/l	98
43) Isopropyl Acetate	8.43	43	16798	4.600	ug/l	98
44) Trichloroethene	9.09	130	16079	5.090	ug/l	94
45) 1,2-Dichloropropane	9.37	63	13712	4.882	ug/l	100
46) Dibromomethane	9.46	93	7367	4.755	ug/l	92
47) Bromodichloromethane	9.65	83	18851	4.853	ug/l	91
48) Methyl methacrylate	9.43	41	7570	4.387	ug/l	97
49) 1,4-Dioxane	9.45	88	2209	104.291	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	41331	22.380	ug/l	100
52) Toluene	10.38	92	37299	4.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	17498	4.541	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	19657	4.469	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10449	4.965	ug/l #	85
56) Ethyl methacrylate	10.65	69	10839	4.164	ug/l	96
57) 1,3-Dichloropropane	10.93	76	17989	4.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31630	22.899	ug/l	100
59) 2-Hexanone	10.97	43	27774	21.393	ug/l	99
60) Dibromochloromethane	11.12	129	11436	4.474	ug/l	100
61) 1,2-Dibromoethane	11.23	107	9448	4.737	ug/l	99
64) Tetrachloroethene	10.86	164	14223	5.007	ug/l	98
65) Chlorobenzene	11.66	112	43393	5.081	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	13510	4.711	ug/l	95
67) Ethyl Benzene	11.73	91	73400	4.740	ug/l	99
68) m/p-Xylenes	11.84	106	56596	9.263	ug/l	99
69) o-Xylene	12.16	106	26555	4.656	ug/l	98
70) Styrene	12.18	104	39578	4.283	ug/l	98
71) Bromoform	12.35	173	6831	4.470	ug/l #	99
73) Isopropylbenzene	12.47	105	70523	4.453	ug/l	99
74) N-amyl acetate	12.28	43	15219	4.036	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11966	4.844	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8435m	3.373	ug/l	
77) Bromobenzene	12.74	156	16804	4.687	ug/l	97
78) n-propylbenzene	12.80	91	86333	4.440	ug/l	97
79) 2-Chlorotoluene	12.90	91	50625	4.611	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	59705	4.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3165	4.183	ug/l	95
82) 4-Chlorotoluene	12.99	91	53218	4.557	ug/l	97
83) tert-Butylbenzene	13.21	119	53084	4.533	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	60878	4.375	ug/l	97
85) sec-Butylbenzene	13.38	105	78433	4.591	ug/l	98
86) p-Isopropyltoluene	13.50	119	67174	4.368	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	36962	4.815	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37989	4.990	ug/l	95
89) n-Butylbenzene	13.83	91	64946	4.461	ug/l	98
90) Hexachloroethane	14.10	117	12274	4.659	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33075	4.925	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2185	4.839	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (QT Reviewed)

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM

Quant Time: Mar 07 07:06:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20845	4.533	ug/l	99
94) Hexachlorobutadiene	15.24	225	15070	5.156	ug/l	98
95) Naphthalene	15.37	128	29305	3.930	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	18456	4.635	ug/l	94

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

Data File : VW009012.D

```
Acq On       : 06 Mar 2019   10:52
Operator    : SY/VA
Sample      : VSTDIC005
Misc       : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial    : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

MMDadoda
3/8/2019 12:07:00 AM

Quant Time: Mar 07 07:06:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

