

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046779.D
 Acq On : 18 Sep 2015 12:22
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:32 AM

Quant Time: Sep 18 14:34:15 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	204989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	261002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	246886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128367	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	22118	10.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.92%	
35) Dibromofluoromethane	6.21	113	19778	9.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.14%	
50) Toluene-d8	9.62	98	61277	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	
62) 4-Bromofluorobenzene	12.85	95	25330	11.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.42	85	23460	9.94	ug/l	96
3) Chlorodifluoromethane	1.43	51	18862	9.05	ug/l	# 92
4) Chloromethane	1.58	50	12974	9.07	ug/l	98
5) Vinyl Chloride	1.68	62	11966	9.30	ug/l	91
6) Bromomethane	1.97	94	12865	11.33	ug/l	92
7) Chloroethane	2.08	64	7343	9.65	ug/l	99
8) Trichlorofluoromethane	2.33	101	37291	11.57	ug/l	92
9) Diethyl Ether	2.64	74	6175	9.22	ug/l	89
10) 1,1,2-Trichlorotrifluoroet	2.89	101	22457	10.14	ug/l	94
11) Methyl Iodide	3.05	142	19184	7.43	ug/l	# 84
12) Tert butyl alcohol	3.66	59	6334	124.07	ug/l	# 74
13) 1,1-Dichloroethene	2.88	96	17093	9.42	ug/l	98
14) Acrolein	2.78	56	5187	47.77	ug/l	86
15) Allyl chloride	3.34	41	33586	8.56	ug/l	# 82
16) Acrylonitrile	3.85	53	12653	44.21	ug/l	95
17) Acetone	2.94	43	17848	45.56	ug/l	# 91
18) Carbon Disulfide	3.13	76	65755	9.08	ug/l	100
19) Methyl Acetate	3.34	43	22462	9.56	ug/l	95
20) Methyl tert-butyl Ether	3.91	73	24474	8.92	ug/l	96
21) Methylene Chloride	3.50	84	21895	10.36	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	19466	9.40	ug/l	86
23) Diisopropyl ether	4.66	45	56352	8.61	ug/l	# 85
24) Vinyl Acetate	4.61	43	47490	36.35	ug/l	100
25) 1,1-Dichloroethane	4.56	63	36616	9.70	ug/l	98
26) 2-Butanone	5.45	43	21486	46.85	ug/l	96
27) 2,2-Dichloropropane	5.42	77	37797	10.70	ug/l	98
28) cis-1,2-Dichloroethene	5.43	96	19158	9.04	ug/l	96
29) Bromochloromethane	5.79	49	15145	10.14	ug/l	100
30) Chloroform	5.98	83	44938	10.55	ug/l	97
31) Cyclohexane	6.28	56	33973	9.21	ug/l	# 81
32) 1,1,1-Trichloroethane	6.18	97	38873	10.71	ug/l	94
36) 1,1-Dichloropropene	6.43	75	32171	9.99	ug/l	98
37) Ethyl Acetate	5.55	43	11200	11.33	ug/l	96
38) Carbon Tetrachloride	6.42	117	35053	11.49	ug/l	99

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046779.D
 Acq On : 18 Sep 2015 12:22
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:32 AM

Quant Time: Sep 18 14:34:15 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	30133	8.79	ug/l	98
40) Benzene	6.72	78	85580	10.43	ug/l	99
41) Methacrylonitrile	5.76	41	5360	8.54	ug/l #	94
42) 1,2-Dichloroethane	6.83	62	26448	11.09	ug/l	97
43) Isopropyl Acetate	8.41	43	11440	8.19	ug/l #	96
44) Trichloroethene	7.75	130	21079	10.02	ug/l	89
45) 1,2-Dichloropropane	8.15	63	20536	9.99	ug/l	100
46) Dibromomethane	8.27	93	11486	10.72	ug/l	99
47) Bromodichloromethane	8.57	83	30094	10.61	ug/l #	92
48) Methyl methacrylate	8.09	41	19136	8.75	ug/l #	85
49) 1,4-Dioxane	8.30	88	1302	183.75	ug/l #	78
51) 4-Methyl-2-Pentanone	9.49	43	42980	44.11	ug/l	97
52) Toluene	9.72	92	48935	10.00	ug/l	98
53) t-1,3-Dichloropropene	10.13	75	19919	9.28	ug/l	99
54) cis-1,3-Dichloropropene	9.23	75	27473	9.70	ug/l	97
55) 1,1,2-Trichloroethane	10.39	97	12805	11.03	ug/l	95
56) Ethyl methacrylate	10.25	69	9737	8.72	ug/l	99
57) 1,3-Dichloropropane	10.61	76	23726	10.65	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.03	63	23206m	37.67	ug/l	
59) 2-Hexanone	10.72	43	30501	43.93	ug/l	91
60) Dibromochloromethane	10.89	129	17011	10.52	ug/l	91
61) 1,2-Dibromoethane	11.01	107	12538	11.09	ug/l	98
64) Tetrachloroethene	10.47	164	21050	9.53	ug/l	94
65) Chlorobenzene	11.61	112	54020	9.96	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	19694	9.78	ug/l	94
67) Ethyl Benzene	11.73	91	104397	9.43	ug/l	99
68) m/p-Xylenes	11.88	106	66226	19.13	ug/l	96
69) o-Xylene	12.30	106	29049	9.42	ug/l	95
70) Styrene	12.32	104	51568	9.82	ug/l	96
71) Bromoform	12.50	173	9553	9.54	ug/l	92
73) Isopropylbenzene	12.67	105	88527	8.93	ug/l	95
74) N-amyl acetate	12.50	43	17354	7.90	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.99	83	15316	10.34	ug/l	99
76) 1,2,3-Trichloropropane	13.03	75	15493	9.67	ug/l	92
77) Bromobenzene	12.98	156	23036	9.42	ug/l	81
78) n-propylbenzene	13.08	91	128848	9.39	ug/l	97
79) 2-Chlorotoluene	13.16	91	74226	9.81	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	72219	9.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	3477	8.50	ug/l	97
82) 4-Chlorotoluene	13.28	91	88883	10.04	ug/l	96
83) tert-Butylbenzene	13.54	119	66946m	10.32	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	75083	9.74	ug/l	99
85) sec-Butylbenzene	13.73	105	96202	9.62	ug/l	92
86) p-Isopropyltoluene	13.87	119	75660	9.62	ug/l	97
87) 1,3-Dichlorobenzene	13.84	146	44001	9.97	ug/l	95
88) 1,4-Dichlorobenzene	13.94	146	43469	9.96	ug/l	93
89) n-Butylbenzene	14.22	91	85316	9.73	ug/l	96
90) Hexachloroethane	14.48	117	18260	10.39	ug/l	98
91) 1,2-Dichlorobenzene	14.25	146	36929	10.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2017	11.05	ug/l	76

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
Data File : VD046779.D
Acq On : 18 Sep 2015 12:22
Operator : FY/SY
Sample : VSTDICC010
Misc : 5.00gm/5mL/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:32 AM

Quant Time: Sep 18 14:34:15 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 13:41:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	19771	9.22	ug/l	94
94) Hexachlorobutadiene	15.70	225	17198	9.85	ug/l	99
95) Naphthalene	15.82	128	20303	8.17	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	16391	9.21	ug/l	89

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

```
Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\  
Data File : VD046779.D  
Acq On    : 18 Sep 2015  12:22  
Operator  : FY/SY  
Sample    : VSTDICC010  
Misc      : 5.00gm/5mL/MSVOA_D/SOIL  
ALS Vial  : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

MMDadoda
9/21/2015 11:38:32 AM

Quant Time: Sep 18 14:34:15 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 13:41:37 2015
Response via : Initial Calibration

