

Data File : VF058110.D
Acq On : 6 Jun 2018 16:45
Operator : JC/SY
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:38 PM

Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	359983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	579615	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	557978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	333839	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	43065	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
35) Dibromofluoromethane	4.29	113	38028	8.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.70%	
50) Toluene-d8	7.70	98	115654	9.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.16%	
62) 4-Bromofluorobenzene	11.51	95	63379	9.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.88%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	39820	9.160 ug/l	97
3) Chloromethane	1.08	50	31703	9.204 ug/l	90
4) Vinyl Chloride	1.15	62	27303	9.495 ug/l	92
5) Bromomethane	1.33	94	17009	10.446 ug/l	96
6) Chloroethane	1.42	64	12377	10.104 ug/l	91
7) Trichlorofluoromethane	1.48	101	42501m	9.730 ug/l	
8) Diethyl Ether	1.70	74	10676	10.036 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	30378	11.284 ug/l	94
10) Methyl Iodide	1.95	142	47846	9.996 ug/l	93
11) Tert butyl alcohol	2.67	59	13527	52.875 ug/l	98
12) 1,1-Dichloroethene	1.85	96	22311	9.525 ug/l	92
13) Acrolein	2.08	56	11472	68.934 ug/l	92
14) Allyl chloride	2.18	41	43430	9.698 ug/l	94
15) Acrylonitrile	3.07	53	25147	42.520 ug/l	91
16) Acetone	2.33	43	51384	52.449 ug/l	99
17) Carbon Disulfide	1.84	76	60702	9.030 ug/l	98
18) Methyl Acetate	2.45	43	16640	9.108 ug/l	97
19) Methyl tert-butyl Ether	2.53	73	70257	9.577 ug/l	98
20) Methylene Chloride	2.28	84	26452	11.029 ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	24698	9.767 ug/l	92
22) Diisopropyl ether	2.92	45	88606	10.107 ug/l	99
23) Vinyl Acetate	3.32	43	298690	46.502 ug/l	98
24) 1,1-Dichloroethane	3.00	63	55081	10.143 ug/l	99
25) 2-Butanone	4.51	43	82942	52.191 ug/l	99
26) 2,2-Dichloropropane	3.76	77	42569	11.092 ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	38924	9.257 ug/l	94
28) Bromochloromethane	3.89	49	27921	11.638 ug/l #	96
29) Tetrahydrofuran	4.24	42	35774	48.768 ug/l	97
30) Chloroform	4.02	83	79368	9.743 ug/l	99
31) Cyclohexane	3.86	56	48638	9.517 ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	58794	10.168 ug/l	91
36) 1,1-Dichloropropene	4.46	75	54578	9.310 ug/l	91
37) Ethyl Acetate	4.28	43	31874	9.221 ug/l	92
38) Carbon Tetrachloride	4.16	117	58674m	9.421 ug/l	

Data File : VF058110.D
Acq On : 6 Jun 2018 16:45
Operator : JC/SY
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC010

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:38 PM

Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	55272	9.125	ug/l	98
40) Benzene	4.80	78	125014	9.109	ug/l	98
41) Methacrylonitrile	4.92	41	15824	9.040	ug/l	94
42) 1,2-Dichloroethane	5.11	62	57045	9.679	ug/l	99
43) Isopropyl Acetate	7.11	43	44756	9.550	ug/l #	89
44) Trichloroethene	5.67	130	41443	9.695	ug/l	97
45) 1,2-Dichloropropane	6.40	63	37624	9.430	ug/l	96
46) Dibromomethane	6.25	93	27338	9.077	ug/l	94
47) Bromodichloromethane	6.54	83	63327	9.530	ug/l	95
48) Methyl methacrylate	6.87	41	27888	9.415	ug/l #	89
49) 1,4-Dioxane	6.86	88	3883	189.969	ug/l	90
51) 4-Methyl-2-Pentanone	8.40	43	164682	50.622	ug/l	97
52) Toluene	7.77	92	97149	9.969	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	62358	9.822	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	70178	9.621	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	33058	9.331	ug/l	97
56) Ethyl methacrylate	8.76	69	41576	9.279	ug/l	96
57) 1,3-Dichloropropane	9.00	76	55432	8.986	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.78	63	16536	53.382	ug/l	100
59) 2-Hexanone	9.63	43	127760	50.154	ug/l	96
60) Dibromochloromethane	8.86	129	46590	9.248	ug/l	96
61) 1,2-Dibromoethane	9.13	107	36768	8.698	ug/l	88
64) Tetrachloroethene	8.30	164	41825	9.930	ug/l	97
65) Chlorobenzene	9.94	112	111901	9.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	45588	10.316	ug/l	92
67) Ethyl Benzene	10.04	91	205401	10.337	ug/l	100
68) m/p-Xylenes	10.26	106	165174	22.421	ug/l	85
69) o-Xylene	10.83	106	79998	9.970	ug/l	92
70) Styrene	10.90	104	122342	10.169	ug/l	95
71) Bromoform	10.88	173	29165	9.596	ug/l #	93
73) Isopropylbenzene	11.23	105	243875	10.287	ug/l	99
74) N-amyl acetate	11.47	43	83901	9.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	55270	9.733	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	42085	10.156	ug/l	86
77) Bromobenzene	11.59	156	59082	10.001	ug/l	92
78) n-propylbenzene	11.68	91	295396	10.428	ug/l	93
79) 2-Chlorotoluene	11.81	91	170677	10.199	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	204537	10.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	25183	9.595	ug/l	97
82) 4-Chlorotoluene	11.99	91	180233	10.212	ug/l	95
83) tert-Butylbenzene	12.21	119	200073	10.178	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	212608	10.428	ug/l	92
85) sec-Butylbenzene	12.38	105	272894	10.249	ug/l	93
86) p-Isopropyltoluene	12.54	119	224174	10.099	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	115428	10.598	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	105630	10.102	ug/l	97
89) n-Butylbenzene	12.91	91	240956	10.415	ug/l	93
90) Hexachloroethane	12.99	117	52773	9.858	ug/l	78
91) 1,2-Dichlorobenzene	13.02	146	109840	10.389	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10265	9.477	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
Quantitation Report (QT Reviewed)

Data File : VF058110.D
Acq On : 6 Jun 2018 16:45
Operator : JC/SY
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:38 PM

Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	76883	10.368	ug/l	90
94) Hexachlorobutadiene	14.26	225	43459	10.152	ug/l	97
95) Naphthalene	14.52	128	148335	9.371	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	62947	9.010	ug/l	97

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

Data File : VF058110.D

```
Acq On       : 6 Jun 2018 16:45
Operator     : JC/SY
Sample       : VSTDIC010
Misc         : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial     : 4 Sample Multiplier: 1
```

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:38 PM

Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

