

Data File : VF058115.D
Acq On : 6 Jun 2018 19:05
Operator : JC/SY
Sample : VSTDIC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 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	348440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	591441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	553341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	307217	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	622977	143.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.66%	
35) Dibromofluoromethane	4.30	113	572198	130.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.88%	
50) Toluene-d8	7.71	98	1643746	126.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.88%	
62) 4-Bromofluorobenzene	11.51	95	793878	122.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.10%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	578606	137.503	ug/l	97
3) Chloromethane	1.09	50	447662	134.276	ug/l	97
4) Vinyl Chloride	1.16	62	435534	156.474	ug/l	99
5) Bromomethane	1.34	94	241937	153.507	ug/l	98
6) Chloroethane	1.43	64	171445	144.596	ug/l	93
7) Trichlorofluoromethane	1.48	101	644911m	152.540	ug/l	
8) Diethyl Ether	1.70	74	153071	148.668	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	361073	138.567	ug/l	99
10) Methyl Iodide	1.96	142	677261	146.187	ug/l	96
11) Tert butyl alcohol	2.69	59	183740	742.004	ug/l	100
12) 1,1-Dichloroethene	1.85	96	319533	140.930	ug/l	91
13) Acrolein	2.09	56	165176	1025.409	ug/l	94
14) Allyl chloride	2.19	41	647026	149.264	ug/l	96
15) Acrylonitrile	3.07	53	391739	684.310	ug/l	98
16) Acetone	2.33	43	714943	753.943	ug/l	96
17) Carbon Disulfide	1.84	76	969118m	148.944	ug/l	
18) Methyl Acetate	2.44	43	261145	147.670	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	1014731	142.911	ug/l	99
20) Methylene Chloride	2.27	84	326770m	140.753	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	355538	145.264	ug/l	98
22) Diisopropyl ether	2.92	45	1284940	151.428	ug/l	94
23) Vinyl Acetate	3.33	43	3973206	639.066	ug/l	99
24) 1,1-Dichloroethane	2.99	63	764536	145.453	ug/l	99
25) 2-Butanone	4.50	43	1095702	712.309	ug/l	98
26) 2,2-Dichloropropane	3.75	77	503344	135.497	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	544045	133.672	ug/l	97
28) Bromochloromethane	3.89	49	323439	139.286	ug/l	96
29) Tetrahydrofuran	4.25	42	490201	690.388	ug/l	98
30) Chloroform	4.03	83	1066323	135.232	ug/l	92
31) Cyclohexane	3.87	56	660609	133.540	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	802867	143.447	ug/l	98
36) 1,1-Dichloropropene	4.46	75	793490	132.652	ug/l	98
37) Ethyl Acetate	4.29	43	482197	136.710	ug/l	97
38) Carbon Tetrachloride	4.17	117	863491m	135.875	ug/l	

Data File : VF058115.D
Acq On : 6 Jun 2018 19:05
Operator : JC/SY
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 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	5.63	83	773054	125.069	ug/l	98
40) Benzene	4.81	78	1782300	127.263	ug/l	98
41) Methacrylonitrile	4.92	41	251984	141.072	ug/l	99
42) 1,2-Dichloroethane	5.11	62	837743	139.301	ug/l	99
43) Isopropyl Acetate	7.10	43	703249	147.063	ug/l	95
44) Trichloroethene	5.68	130	558844	128.116	ug/l	98
45) 1,2-Dichloropropane	6.40	63	515726	126.673	ug/l	99
46) Dibromomethane	6.26	93	408079	132.784	ug/l	91
47) Bromodichloromethane	6.54	83	874203	128.924	ug/l	98
48) Methyl methacrylate	6.87	41	436991	144.573	ug/l	99
49) 1,4-Dioxane	6.86	88	47931	2298.057	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	2030506	611.679	ug/l	97
52) Toluene	7.78	92	1250363	125.744	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	853476	131.744	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	1000603	134.438	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	478453	132.344	ug/l	97
56) Ethyl methacrylate	8.76	69	637776	139.495	ug/l	98
57) 1,3-Dichloropropane	9.00	76	826243	131.270	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	204123	645.781	ug/l	100
59) 2-Hexanone	9.63	43	1609165	619.064	ug/l	99
60) Dibromochloromethane	8.87	129	703142	136.783	ug/l	99
61) 1,2-Dibromoethane	9.14	107	575641	133.460	ug/l	97
64) Tetrachloroethene	8.31	164	553817	132.593	ug/l	92
65) Chlorobenzene	9.94	112	1516265	135.242	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	593439	135.413	ug/l	98
67) Ethyl Benzene	10.04	91	2417681	122.692	ug/l	95
68) m/p-Xylenes	10.27	106	1806008	247.206	ug/l	90
69) o-Xylene	10.83	106	1007260	126.586	ug/l	90
70) Styrene	10.90	104	1521217	127.498	ug/l	99
71) Bromoform	10.89	173	443864	147.272	ug/l #	93
73) Isopropylbenzene	11.22	105	2656145	121.746	ug/l	94
74) N-amyl acetate	11.46	43	1022888	125.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	691597	132.337	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	515050	135.063	ug/l	97
77) Bromobenzene	11.60	156	737965	135.736	ug/l	83
78) n-propylbenzene	11.69	91	3069463	117.745	ug/l	94
79) 2-Chlorotoluene	11.82	91	1918324	124.566	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	2191922	121.191	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	340768	141.092	ug/l	98
82) 4-Chlorotoluene	11.99	91	2029774	124.978	ug/l	94
83) tert-Butylbenzene	12.22	119	2075441	114.734	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	2251661	120.008	ug/l	96
85) sec-Butylbenzene	12.39	105	2938607	119.930	ug/l	94
86) p-Isopropyltoluene	12.54	119	2344235	114.762	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	1207043	120.433	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	1248670	129.768	ug/l	95
89) n-Butylbenzene	12.92	91	2321723	109.054	ug/l	92
90) Hexachloroethane	13.00	117	633726	128.641	ug/l	69
91) 1,2-Dichlorobenzene	13.02	146	1222842	125.687	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	148230	148.707	ug/l	93

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

Data File : VF058115.D
Acq On : 6 Jun 2018 19:05
Operator : JC/SY
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 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	828302	121.385	ug/l	97
94) Hexachlorobutadiene	14.25	225	501051	127.186	ug/l	97
95) Naphthalene	14.52	128	2039873	140.034	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	842643	131.067	ug/l	99

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

Data File : VF058115.D

```
Acq On       : 6 Jun 2018 19:05
Operator    : JC/SY
Sample      : VSTDICC150
Misc       : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial    : 9      Sample Multiplier: 1
```

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

apatel
6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 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

