

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059983.D
 Acq On : 17 Aug 2018 19:55
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:49:25 AM

Quant Time: Aug 18 00:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	140298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	202710	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	204254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	130760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	371460	135.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.94%	
35) Dibromofluoromethane	4.31	113	279082	135.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.58%	
50) Toluene-d8	7.72	98	641623	140.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.58%	
62) 4-Bromofluorobenzene	11.52	95	369361	131.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	314647	132.43	ug/l	99
3) Chloromethane	1.07	50	167510	136.90	ug/l	94
4) Vinyl Chloride	1.12	62	209763	149.38	ug/l	94
5) Bromomethane	1.32	94	157856	114.87	ug/l	96
6) Chloroethane	1.39	64	92480	126.03	ug/l	97
7) Trichlorofluoromethane	1.49	101	268701	70.77	ug/l	99
8) Diethyl Ether	1.71	74	90061	148.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	239600	125.74	ug/l	94
10) Methyl Iodide	1.93	142	301483	124.16	ug/l	99
11) Tert butyl alcohol	2.71	59	109812	652.43	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	175810	133.24	ug/l	97
13) Acrolein	2.10	56	81175	912.94	ug/l	93
14) Allyl chloride	2.20	41	277326	123.83	ug/l	86
15) Acrylonitrile	3.08	53	141516	506.09	ug/l	90
16) Acetone	2.35	43	472343	537.47	ug/l	99
17) Carbon Disulfide	1.84	76	526011	125.19	ug/l	97
18) Methyl Acetate	2.46	43	166043	95.13	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	582463	130.70	ug/l	98
20) Methylene Chloride	2.28	84	198249	106.99	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	180646	128.41	ug/l	95
22) Diisopropyl ether	2.94	45	569178	117.70	ug/l	98
23) Vinyl Acetate	3.34	43	1408336	710.95	ug/l	98
24) 1,1-Dichloroethane	3.00	63	375324	117.94	ug/l	100
25) 2-Butanone	4.51	43	430532	626.23	ug/l	99
26) 2,2-Dichloropropane	3.76	77	410619	147.84	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	181422	141.40	ug/l	91
28) Bromochloromethane	3.90	49	111849	123.21	ug/l	95
29) Tetrahydrofuran	4.26	42	151247	615.98	ug/l	98
30) Chloroform	4.05	83	500854	138.07	ug/l	95
31) Cyclohexane	3.87	56	196035	137.08	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	466093	131.89	ug/l	98
36) 1,1-Dichloropropene	4.46	75	300995	131.59	ug/l	98
37) Ethyl Acetate	4.31	43	161939	120.05	ug/l #	70
38) Carbon Tetrachloride	4.18	117	427068	129.95	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059983.D
 Acq On : 17 Aug 2018 19:55
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:49:25 AM

Quant Time: Aug 18 00:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	242883	140.19	ug/l	96
40) Benzene	4.82	78	540673	138.92	ug/l	100
41) Methacrylonitrile	4.93	41	80211	125.50	ug/l	95
42) 1,2-Dichloroethane	5.12	62	424811	126.03	ug/l	98
43) Isopropyl Acetate	7.11	43	206255	140.29	ug/l #	88
44) Trichloroethene	5.69	130	199899	131.55	ug/l	96
45) 1,2-Dichloropropane	6.42	63	151446	136.43	ug/l	100
46) Dibromomethane	6.27	93	149016	132.36	ug/l	92
47) Bromodichloromethane	6.55	83	415639	139.79	ug/l	96
48) Methyl methacrylate	6.88	41	156801	143.08	ug/l	93
49) 1,4-Dioxane	6.88	88	27075	3086.27	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	838608	610.83	ug/l	100
52) Toluene	7.79	92	384629	131.22	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	346173	137.12	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	349741	143.72	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	161945	134.75	ug/l	93
56) Ethyl methacrylate	8.77	69	199374	142.38	ug/l	98
57) 1,3-Dichloropropane	9.01	76	284394	133.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	89488	777.41	ug/l	100
59) 2-Hexanone	9.64	43	692360	606.96	ug/l	96
60) Dibromochloromethane	8.87	129	310339	142.65	ug/l	98
61) 1,2-Dibromoethane	9.15	107	209191	137.98	ug/l	91
64) Tetrachloroethene	8.32	164	207346	135.25	ug/l	91
65) Chlorobenzene	9.95	112	533022	133.75	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	254169	138.77	ug/l	95
67) Ethyl Benzene	10.05	91	942203	131.71	ug/l	100
68) m/p-Xylenes	10.28	106	637776	256.16	ug/l	89
69) o-Xylene	10.84	106	343771	134.25	ug/l	97
70) Styrene	10.91	104	539711	132.35	ug/l	99
71) Bromoform	10.90	173	195659	141.88	ug/l #	100
73) Isopropylbenzene	11.24	105	1099661	140.63	ug/l	99
74) N-amyl acetate	11.47	43	350568	151.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	215335	135.01	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	186908	131.08	ug/l	100
77) Bromobenzene	11.60	156	302973	137.33	ug/l	98
78) n-propylbenzene	11.70	91	1282010	132.03	ug/l	99
79) 2-Chlorotoluene	11.83	91	806843	135.67	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	962376	135.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	86985m	118.33	ug/l	
82) 4-Chlorotoluene	11.99	91	884277	136.56	ug/l	97
83) tert-Butylbenzene	12.22	119	912075	130.36	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	981997	132.09	ug/l	100
85) sec-Butylbenzene	12.40	105	1192552	130.27	ug/l	100
86) p-Isopropyltoluene	12.55	119	1086224	134.22	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	530566	127.21	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	537078	131.52	ug/l	98
89) n-Butylbenzene	12.93	91	1062974	135.88	ug/l	96
90) Hexachloroethane	13.00	117	260691	143.16	ug/l	98
91) 1,2-Dichlorobenzene	13.03	146	522747	130.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	64295	143.00	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
Data File : VF059983.D
Acq On : 17 Aug 2018 19:55
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
8/20/2018 11:49:25 AM

Quant Time: Aug 18 00:09:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	421972	129.59	ug/l	96
94) Hexachlorobutadiene	14.26	225	285923	132.98	ug/l	95
95) Naphthalene	14.53	128	765881	161.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	429482	136.53	ug/l	98

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

