

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059962.D
 Acq On : 15 Aug 2018 00:14
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	136028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	182423	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	176939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	111192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	115170	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	4.31	113	90738	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	7.72	98	203277	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.52	95	102447	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	38686	19.19	ug/l	92
3) Chloromethane	1.09	50	18406	21.43	ug/l	89
4) Vinyl Chloride	1.16	62	21623	21.92	ug/l	99
5) Bromomethane	1.35	94	17008	19.16	ug/l	89
6) Chloroethane	1.44	64	13441	20.99	ug/l	98
7) Trichlorofluoromethane	1.53	101	53198m	18.46	ug/l	
8) Diethyl Ether	1.71	74	8660	21.85	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.91	101	26428	18.17	ug/l	97
10) Methyl Iodide	1.98	142	46580	20.51	ug/l	91
11) Tert butyl alcohol	2.70	59	8814	93.29	ug/l #	93
12) 1,1-Dichloroethene	1.87	96	22250	20.64	ug/l	86
13) Acrolein	2.10	56	3332	71.91	ug/l	91
14) Allyl chloride	2.19	41	33195	21.64	ug/l	96
15) Acrylonitrile	3.09	53	14450	100.89	ug/l	95
16) Acetone	2.34	43	40124	85.00	ug/l	99
17) Carbon Disulfide	1.89	76	57689	20.89	ug/l #	91
18) Methyl Acetate	2.46	43	12680	19.32	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	61591	19.89	ug/l	94
20) Methylene Chloride	2.28	84	23602m	20.63	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	21624	20.63	ug/l	97
22) Diisopropyl ether	2.93	45	73263	20.77	ug/l	96
23) Vinyl Acetate	3.35	43	185287	105.81	ug/l	97
24) 1,1-Dichloroethane	3.01	63	49746	19.95	ug/l	98
25) 2-Butanone	4.53	43	46333	97.06	ug/l	96
26) 2,2-Dichloropropane	3.77	77	31124	19.19	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	24507	21.16	ug/l	98
28) Bromochloromethane	3.90	49	17797	19.17	ug/l	83
29) Tetrahydrofuran	4.27	42	17446	106.39	ug/l	100
30) Chloroform	4.06	83	69240	20.22	ug/l	97
31) Cyclohexane	3.88	56	25138m	20.16	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	55791	19.82	ug/l	97
36) 1,1-Dichloropropene	4.48	75	41633	20.54	ug/l	92
37) Ethyl Acetate	4.30	43	20254	23.36	ug/l	87
38) Carbon Tetrachloride	4.20	117	67609	20.04	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059962.D
 Acq On : 15 Aug 2018 00:14
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0814SBS01

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	34097	23.15	ug/l	96
40) Benzene	4.83	78	75079	21.89	ug/l	95
41) Methacrylonitrile	4.93	41	8429	19.71	ug/l #	81
42) 1,2-Dichloroethane	5.13	62	55613	20.41	ug/l	94
43) Isopropyl Acetate	7.13	43	18725	19.81	ug/l #	86
44) Trichloroethene	5.69	130	29638	22.45	ug/l	93
45) 1,2-Dichloropropane	6.42	63	19040	20.99	ug/l #	85
46) Dibromomethane	6.27	93	17162	19.17	ug/l #	88
47) Bromodichloromethane	6.57	83	52870	20.47	ug/l	93
48) Methyl methacrylate	6.90	41	13744	19.52	ug/l	89
49) 1,4-Dioxane	6.89	88	2309	433.67	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	96405	105.27	ug/l	99
52) Toluene	7.79	92	51441	20.25	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	42804	20.26	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	41752	20.53	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	18250	21.02	ug/l	92
56) Ethyl methacrylate	8.78	69	18048	19.35	ug/l	94
57) 1,3-Dichloropropane	9.02	76	31964	19.99	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	11744	93.59	ug/l	100
59) 2-Hexanone	9.65	43	67270	100.71	ug/l	99
60) Dibromochloromethane	8.88	129	33641	19.58	ug/l	94
61) 1,2-Dibromoethane	9.15	107	21946	20.26	ug/l	89
64) Tetrachloroethene	8.33	164	28779	20.89	ug/l	98
65) Chlorobenzene	9.96	112	70254	20.56	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	33090	20.03	ug/l	91
67) Ethyl Benzene	10.06	91	129380	21.43	ug/l	99
68) m/p-Xylenes	10.29	106	85144	41.94	ug/l	96
69) o-Xylene	10.84	106	49788	22.58	ug/l	83
70) Styrene	10.92	104	70534	21.62	ug/l	96
71) Bromoform	10.91	173	21418	20.85	ug/l	93
73) Isopropylbenzene	11.24	105	153899	22.01	ug/l	98
74) N-amyl acetate	11.48	43	31960	20.74	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	25361	21.57	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	20705	20.43	ug/l	86
77) Bromobenzene	11.61	156	39138	21.33	ug/l	95
78) n-propylbenzene	11.70	91	181997	22.18	ug/l	99
79) 2-Chlorotoluene	11.83	91	111956	21.77	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	143082	21.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	7875m	19.01	ug/l	
82) 4-Chlorotoluene	12.00	91	115734	20.40	ug/l	99
83) tert-Butylbenzene	12.23	119	146390	22.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	143501	21.86	ug/l	100
85) sec-Butylbenzene	12.40	105	180362	22.07	ug/l	100
86) p-Isopropyltoluene	12.55	119	157919	21.93	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	74655	21.45	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	73526	21.45	ug/l	96
89) n-Butylbenzene	12.93	91	147616	21.28	ug/l	97
90) Hexachloroethane	13.01	117	40157	22.53	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	73111	21.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6431	20.19	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF081418\
Data File : VF059962.D
Acq On : 15 Aug 2018 00:14
Operator : VA/AP
Sample : VF0814SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

Manual Integrations
APPROVED

apatel
8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 09:20:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	59531	22.00	ug/l	93
94) Hexachlorobutadiene	14.27	225	42852	22.15	ug/l	98
95) Naphthalene	14.54	128	89372	20.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	53740	20.81	ug/l	96

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

