

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059281.D
 Acq On : 22 Jun 2018 18:42
 Operator : VA/AP
 Sample : VF0622SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	235758	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	375638	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	375704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	233245	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	186379	55.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	4.28	113	162760	51.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	7.69	98	416539	51.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.50	95	230333	51.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58239	21.22	ug/l	97
3) Chloromethane	1.08	50	41057	23.74	ug/l	96
4) Vinyl Chloride	1.14	62	37004	21.58	ug/l	96
5) Bromomethane	1.33	94	25560	20.73	ug/l	96
6) Chloroethane	1.42	64	20005	23.92	ug/l	99
7) Trichlorofluoromethane	1.48	101	74759m	22.27	ug/l	
8) Diethyl Ether	1.70	74	16730	22.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	38951	20.79	ug/l	91
10) Methyl Iodide	1.95	142	73271	21.40	ug/l	96
11) Tert butyl alcohol	2.67	59	19166	97.19	ug/l	94
12) 1,1-Dichloroethene	1.85	96	37717	22.57	ug/l	93
13) Acrolein	2.07	56	19065	119.62	ug/l #	81
14) Allyl chloride	2.18	41	74642	24.20	ug/l	98
15) Acrylonitrile	3.06	53	45324	139.46	ug/l	95
16) Acetone	2.33	43	100608	125.79	ug/l	98
17) Carbon Disulfide	1.86	76	84572	20.84	ug/l	95
18) Methyl Acetate	2.44	43	32717	21.70	ug/l #	92
19) Methyl tert-butyl Ether	2.53	73	137720	24.57	ug/l	97
20) Methylene Chloride	2.27	84	41285m	24.57	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	39938	22.90	ug/l	97
22) Diisopropyl ether	2.91	45	157087	24.55	ug/l	95
23) Vinyl Acetate	3.31	43	525808	128.47	ug/l	99
24) 1,1-Dichloroethane	2.99	63	96678	23.30	ug/l	98
25) 2-Butanone	4.49	43	129804	121.66	ug/l	99
26) 2,2-Dichloropropane	3.75	77	65467	22.64	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	62507	23.59	ug/l	98
28) Bromochloromethane	3.88	49	43272	25.63	ug/l #	80
29) Tetrahydrofuran	4.24	42	57819	120.70	ug/l	97
30) Chloroform	4.02	83	135932	22.63	ug/l	99
31) Cyclohexane	3.84	56	64539	22.60	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	99375	21.91	ug/l	99
36) 1,1-Dichloropropene	4.44	75	83407	21.13	ug/l	97
37) Ethyl Acetate	4.27	43	59130	23.44	ug/l	96
38) Carbon Tetrachloride	4.15	117	107380	22.14	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059281.D
 Acq On : 22 Jun 2018 18:42
 Operator : VA/AP
 Sample : VF0622SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	80314	22.73	ug/l	94
40) Benzene	4.79	78	186895	22.31	ug/l	93
41) Methacrylonitrile	4.91	41	28631	23.76	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	105797	21.93	ug/l	99
43) Isopropyl Acetate	7.10	43	65525	21.20	ug/l #	97
44) Trichloroethene	5.66	130	65814	22.67	ug/l	85
45) 1,2-Dichloropropane	6.39	63	57345	23.47	ug/l	98
46) Dibromomethane	6.24	93	44740	21.69	ug/l	95
47) Bromodichloromethane	6.53	83	113972	23.08	ug/l	97
48) Methyl methacrylate	6.86	41	45201	23.10	ug/l	93
49) 1,4-Dioxane	6.84	88	4478	394.60	ug/l #	80
51) 4-Methyl-2-Pentanone	8.39	43	269259	122.15	ug/l	99
52) Toluene	7.76	92	141489	21.89	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	108082	23.31	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	114391	23.37	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	56190	22.52	ug/l	97
56) Ethyl methacrylate	8.75	69	65153	22.83	ug/l	97
57) 1,3-Dichloropropane	8.98	76	95744	23.20	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.76	63	24487	107.32	ug/l	100
59) 2-Hexanone	9.61	43	219476	125.59	ug/l	96
60) Dibromochloromethane	8.84	129	84364	22.98	ug/l	99
61) 1,2-Dibromoethane	9.12	107	65515	22.79	ug/l	96
64) Tetrachloroethene	8.29	164	64417	22.33	ug/l	95
65) Chlorobenzene	9.93	112	186461	23.32	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	75671	22.72	ug/l	92
67) Ethyl Benzene	10.03	91	308542	22.73	ug/l	98
68) m/p-Xylenes	10.25	106	229274	47.00	ug/l	100
69) o-Xylene	10.82	106	129453	24.03	ug/l	100
70) Styrene	10.89	104	193103	23.77	ug/l	99
71) Bromoform	10.88	173	55277	23.27	ug/l	91
73) Isopropylbenzene	11.22	105	370818	23.08	ug/l	97
74) N-amyl acetate	11.46	43	131707	25.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	88333	23.43	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	66721	24.17	ug/l	98
77) Bromobenzene	11.59	156	92272	21.26	ug/l	87
78) n-propylbenzene	11.67	91	441153	23.21	ug/l	93
79) 2-Chlorotoluene	11.80	91	258187	22.65	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	312985	23.04	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	40571	22.95	ug/l	93
82) 4-Chlorotoluene	11.98	91	278652	22.76	ug/l	94
83) tert-Butylbenzene	12.21	119	319083	23.21	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	328344	22.95	ug/l	98
85) sec-Butylbenzene	12.38	105	393673	21.45	ug/l	99
86) p-Isopropyltoluene	12.53	119	368224	24.34	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	182895	23.50	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	173766	22.61	ug/l	98
89) n-Butylbenzene	12.92	91	368173	23.90	ug/l	96
90) Hexachloroethane	12.98	117	88084	23.29	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	181009	23.45	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17510	21.51	ug/l	71

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\
Data File : VF059281.D
Acq On : 22 Jun 2018 18:42
Operator : VA/AP
Sample : VF0622SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Manual Integrations
APPROVED

apatel
6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	135615	24.05	ug/l	95
94) Hexachlorobutadiene	14.25	225	77260	23.12	ug/l	97
95) Naphthalene	14.51	128	274985	23.75	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	123582	23.29	ug/l	100

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

