

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059906.D
 Acq On : 7 Aug 2018 6:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/8/2018 11:38:13 AM

Quant Time: Aug 07 09:04:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	162095	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	229194	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	240476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	164685	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	175719	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	4.31	113	129008	56.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.72	98	291798	60.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.28%	
62) 4-Bromofluorobenzene	11.52	95	170093	62.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	124.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	139945	50.53	ug/l	100
3) Chloromethane	1.09	50	58001	45.27	ug/l	99
4) Vinyl Chloride	1.16	62	69120	52.67	ug/l	96
5) Bromomethane	1.35	94	60843	49.12	ug/l	87
6) Chloroethane	1.44	64	41244	50.03	ug/l	95
7) Trichlorofluoromethane	1.54	101	207188m	57.68	ug/l	
8) Diethyl Ether	1.70	74	32469	56.96	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	93019	46.93	ug/l	95
10) Methyl Iodide	1.98	142	159670m	52.43	ug/l	
11) Tert butyl alcohol	2.69	59	42504	360.58	ug/l	100
12) 1,1-Dichloroethene	1.86	96	75244	51.97	ug/l	88
13) Acrolein	2.10	56	15418	218.26	ug/l	85
14) Allyl chloride	2.20	41	99834	41.36	ug/l	99
15) Acrylonitrile	3.08	53	57134	264.51	ug/l #	90
16) Acetone	2.34	43	160785	298.03	ug/l	97
17) Carbon Disulfide	1.89	76	199631	51.65	ug/l	99
18) Methyl Acetate	2.45	43	50290	55.26	ug/l #	83
19) Methyl tert-butyl Ether	2.54	73	234077	57.10	ug/l	99
20) Methylene Chloride	2.33	84	80709m	61.56	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	75239	52.31	ug/l	83
22) Diisopropyl ether	2.94	45	249870	53.80	ug/l	95
23) Vinyl Acetate	3.34	43	663218	295.00	ug/l	98
24) 1,1-Dichloroethane	3.00	63	182553	53.98	ug/l	97
25) 2-Butanone	4.52	43	172343	293.80	ug/l	99
26) 2,2-Dichloropropane	3.77	77	97023	49.28	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	78447	48.51	ug/l	87
28) Bromochloromethane	3.90	49	69492	58.19	ug/l	99
29) Tetrahydrofuran	4.26	42	63958	296.17	ug/l	98
30) Chloroform	4.05	83	241352	52.75	ug/l	91
31) Cyclohexane	3.86	56	83900	50.12	ug/l	90
32) 1,1,1-Trichloroethane	4.29	97	186872	51.05	ug/l	96
36) 1,1-Dichloropropene	4.46	75	138399	52.21	ug/l	99
37) Ethyl Acetate	4.31	43	74026	65.03	ug/l #	43
38) Carbon Tetrachloride	4.18	117	201893m	53.20	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059906.D
 Acq On : 7 Aug 2018 6:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/8/2018 11:38:13 AM

Quant Time: Aug 07 09:04:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	101427	51.02	ug/l	94
40) Benzene	4.82	78	244266	54.01	ug/l	98
41) Methacrylonitrile	4.94	41	29962	49.88	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	218592	59.55	ug/l	99
43) Isopropyl Acetate	7.12	43	74567	63.62	ug/l #	89
44) Trichloroethene	5.69	130	95602	54.15	ug/l	92
45) 1,2-Dichloropropane	6.41	63	66772	54.89	ug/l	99
46) Dibromomethane	6.27	93	70949	57.80	ug/l	86
47) Bromodichloromethane	6.55	83	196940	58.66	ug/l	99
48) Methyl methacrylate	6.89	41	68542	75.17	ug/l	94
49) 1,4-Dioxane	6.88	88	8000	1203.41	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	378514	315.85	ug/l	99
52) Toluene	7.79	92	179995	53.76	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	155761	60.99	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	154035	58.44	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	71697	59.48	ug/l	96
56) Ethyl methacrylate	8.77	69	76468	57.33	ug/l	99
57) 1,3-Dichloropropane	9.01	76	125670	60.72	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.79	63	45309	284.14	ug/l	100
59) 2-Hexanone	9.64	43	279369	330.01	ug/l	97
60) Dibromochloromethane	8.87	129	135420	59.89	ug/l	98
61) 1,2-Dibromoethane	9.15	107	87025	59.26	ug/l	94
64) Tetrachloroethene	8.32	164	108652	52.38	ug/l	95
65) Chlorobenzene	9.95	112	244388	50.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	126377	52.05	ug/l	97
67) Ethyl Benzene	10.05	91	465163	54.70	ug/l	99
68) m/p-Xylenes	10.28	106	308409	104.92	ug/l	99
69) o-Xylene	10.84	106	169720	54.50	ug/l	95
70) Styrene	10.91	104	258743	55.68	ug/l	98
71) Bromoform	10.90	173	88007	59.14	ug/l	100
73) Isopropylbenzene	11.24	105	549135	53.54	ug/l	99
74) N-amyl acetate	11.47	43	144388	56.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	101965	52.95	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	89707	54.23	ug/l	83
77) Bromobenzene	11.60	156	149300	53.52	ug/l	94
78) n-propylbenzene	11.70	91	623228	51.45	ug/l	97
79) 2-Chlorotoluene	11.82	91	396750	51.78	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	515757	54.15	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	34317m	57.76	ug/l	
82) 4-Chlorotoluene	11.99	91	446102	53.61	ug/l	96
83) tert-Butylbenzene	12.22	119	499041	53.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	508341	51.89	ug/l	94
85) sec-Butylbenzene	12.40	105	631681	51.28	ug/l	97
86) p-Isopropyltoluene	12.55	119	552913	53.40	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	271710	51.41	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	265665	51.20	ug/l	95
89) n-Butylbenzene	12.92	91	540767	54.80	ug/l	98
90) Hexachloroethane	13.00	117	142830	49.99	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	268899	52.87	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	27438	56.52	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
Data File : VF059906.D
Acq On : 7 Aug 2018 6:41
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
8/8/2018 11:38:13 AM

Quant Time: Aug 07 09:04:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	213071	55.17	ug/l	99
94) Hexachlorobutadiene	14.26	225	141192	51.76	ug/l	99
95) Naphthalene	14.53	128	389669	58.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	211148	55.37	ug/l	96

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

