

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059937.D
 Acq On : 10 Aug 2018 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:33:45 PM

Quant Time: Aug 11 01:17:46 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	5.06	168	127779	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	174887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	171499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	103516	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	4.31	113	86252	49.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.72	98	199617	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	11.51	95	112786	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	103989	47.63	ug/l	96
3) Chloromethane	1.09	50	47586	47.12	ug/l	92
4) Vinyl Chloride	1.15	62	53456	51.67	ug/l	95
5) Bromomethane	1.34	94	43827	44.88	ug/l	100
6) Chloroethane	1.43	64	32213	49.57	ug/l	94
7) Trichlorofluoromethane	1.54	101	144010	50.86	ug/l	95
8) Diethyl Ether	1.71	74	20891	46.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	69194	44.28	ug/l	93
10) Methyl Iodide	1.97	142	113671	47.35	ug/l	98
11) Tert butyl alcohol	2.68	59	22433	241.42	ug/l	99
12) 1,1-Dichloroethene	1.86	96	53750	47.09	ug/l	84
13) Acrolein	2.09	56	12874	231.19	ug/l	97
14) Allyl chloride	2.20	41	88188	46.34	ug/l	97
15) Acrylonitrile	3.08	53	36608	215.00	ug/l #	95
16) Acetone	2.34	43	144502	339.79	ug/l	98
17) Carbon Disulfide	1.89	76	142453	46.75	ug/l	99
18) Methyl Acetate	2.45	43	33731	47.02	ug/l #	89
19) Methyl tert-butyl Ether	2.54	73	158710	49.11	ug/l	99
20) Methylene Chloride	2.29	84	50090m	47.01	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	49515	43.67	ug/l	92
22) Diisopropyl ether	2.93	45	172010	46.98	ug/l	90
23) Vinyl Acetate	3.34	43	468578	264.40	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	120427	45.17	ug/l	99
25) 2-Butanone	4.51	43	126692	273.98	ug/l	98
26) 2,2-Dichloropropane	3.77	77	80439	51.83	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	58091	45.57	ug/l	80
28) Bromochloromethane	3.89	49	42560	45.21	ug/l	92
29) Tetrahydrofuran	4.26	42	41143	241.68	ug/l	99
30) Chloroform	4.05	83	157647	43.71	ug/l	93
31) Cyclohexane	3.88	56	63994	48.50	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	133824	46.38	ug/l	99
36) 1,1-Dichloropropene	4.47	75	103332	51.08	ug/l	98
37) Ethyl Acetate	4.30	43	46304	53.31	ug/l #	70
38) Carbon Tetrachloride	4.18	117	152032m	52.50	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059937.D
 Acq On : 10 Aug 2018 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:33:45 PM

Quant Time: Aug 11 01:17:46 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	80063	52.78	ug/l	96
40) Benzene	4.82	78	171546	49.45	ug/l	97
41) Methacrylonitrile	4.93	41	21933	47.85	ug/l	92
42) 1,2-Dichloroethane	5.13	62	134508	48.02	ug/l	99
43) Isopropyl Acetate	7.12	43	52548	58.76	ug/l #	98
44) Trichloroethene	5.69	130	65614	48.70	ug/l	93
45) 1,2-Dichloropropane	6.41	63	47612	51.29	ug/l #	89
46) Dibromomethane	6.26	93	44944	47.98	ug/l	92
47) Bromodichloromethane	6.55	83	128993	50.35	ug/l #	99
48) Methyl methacrylate	6.88	41	41184	59.19	ug/l	91
49) 1,4-Dioxane	6.88	88	6525	1280.78	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	253903	277.66	ug/l	98
52) Toluene	7.79	92	131066	51.30	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	109196	56.03	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	110267	54.83	ug/l	88
55) 1,1,2-Trichloroethane	8.64	97	47407	51.55	ug/l	94
56) Ethyl methacrylate	8.77	69	52937	52.32	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	83942	53.15	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	31859	261.83	ug/l	100
59) 2-Hexanone	9.64	43	201037	311.23	ug/l	98
60) Dibromochloromethane	8.87	129	86560	50.17	ug/l	97
61) 1,2-Dibromoethane	9.15	107	59861	53.42	ug/l	99
64) Tetrachloroethene	8.32	164	68053	46.00	ug/l	95
65) Chlorobenzene	9.96	112	175601	50.44	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	87128	50.32	ug/l	96
67) Ethyl Benzene	10.04	91	326230	53.79	ug/l	96
68) m/p-Xylenes	10.28	106	221657	105.73	ug/l	98
69) o-Xylene	10.83	106	119784	53.94	ug/l	100
70) Styrene	10.91	104	181717	54.83	ug/l	98
71) Bromoform	10.89	173	56280	53.03	ug/l	95
73) Isopropylbenzene	11.24	105	398735	56.36	ug/l	99
74) N-amyl acetate	11.47	43	93613	53.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	65634	49.41	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	57841	50.70	ug/l	100
77) Bromobenzene	11.60	156	100947	52.47	ug/l	97
78) n-propylbenzene	11.69	91	460023	55.06	ug/l	99
79) 2-Chlorotoluene	11.82	91	277611	52.53	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	351261	53.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	27022m	65.94	ug/l	
82) 4-Chlorotoluene	12.00	91	303009	52.80	ug/l	100
83) tert-Butylbenzene	12.22	119	353506	55.28	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	368321	54.51	ug/l	99
85) sec-Butylbenzene	12.40	105	448890	52.83	ug/l	95
86) p-Isopropyltoluene	12.55	119	409627	57.36	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	186833	51.25	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	178902	49.99	ug/l	96
89) n-Butylbenzene	12.92	91	391564	57.53	ug/l	98
90) Hexachloroethane	13.00	117	95764	48.60	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	184967	52.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	19663	58.72	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
Data File : VF059937.D
Acq On : 10 Aug 2018 11:24
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
8/13/2018 12:33:45 PM

Quant Time: Aug 11 01:17:46 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	152804	57.37	ug/l	95
94) Hexachlorobutadiene	14.26	225	104287	55.43	ug/l	98
95) Naphthalene	14.53	128	268875	58.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	144362	54.89	ug/l	98

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

