

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061035.D
 Acq On : 17 Dec 2018 11:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:09 PM

Quant Time: Dec 18 03:15:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	169421	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	270400	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	253758	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	130413	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	112358	56.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.13	113	120944	56.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.76%	
50) Toluene-d8	7.57	98	343344	54.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	11.43	95	156559	54.51	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	107482	42.429	ug/l	99
3) Chloromethane	1.10	50	73665	44.689	ug/l	94
4) Vinyl Chloride	1.14	62	74910	48.719	ug/l	95
5) Bromomethane	1.35	94	53347	49.204	ug/l	96
6) Chloroethane	1.38	64	36378	54.733	ug/l	99
7) Trichlorofluoromethane	1.49	101	172425	52.266	ug/l	93
8) Diethyl Ether	1.63	74	22494	47.416	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	89327	53.559	ug/l	97
10) Methyl Iodide	1.90	142	133795m	52.777	ug/l	
11) Tert butyl alcohol	2.58	59	22391	273.681	ug/l	94
12) 1,1-Dichloroethene	1.79	96	63588	47.401	ug/l	87
13) Acrolein	2.01	56	18873	243.472	ug/l	93
14) Allyl chloride	2.11	41	92191	55.137	ug/l	98
15) Acrylonitrile	2.95	53	50017	272.690	ug/l	95
16) Acetone	2.24	43	131835	358.205	ug/l	95
17) Carbon Disulfide	1.83	76	150902m	41.954	ug/l	
18) Methyl Acetate	2.35	43	36845	60.002	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	164633	54.489	ug/l	97
20) Methylene Chloride	2.24	84	71936m	53.278	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	68492	52.959	ug/l	95
22) Diisopropyl ether	2.82	45	248844	54.676	ug/l	96
23) Vinyl Acetate	3.20	43	589122	283.172	ug/l	97
24) 1,1-Dichloroethane	2.89	63	153203	56.577	ug/l	98
25) 2-Butanone	4.35	43	181037	284.387	ug/l	99
26) 2,2-Dichloropropane	3.61	77	95107	54.176	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	110045	52.265	ug/l	94
28) Bromochloromethane	3.73	49	66305	51.021	ug/l	94
29) Tetrahydrofuran	4.09	42	68682	254.529	ug/l	95
30) Chloroform	3.87	83	223038	53.518	ug/l	100
31) Cyclohexane	3.70	56	129529	46.092	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	158605	54.876	ug/l	93
36) 1,1-Dichloropropene	4.30	75	151053	50.365	ug/l	95
37) Ethyl Acetate	4.13	43	64882	53.235	ug/l #	95
38) Carbon Tetrachloride	4.01	117	139677	52.728	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061035.D
 Acq On : 17 Dec 2018 11:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:09 PM

Quant Time: Dec 18 03:15:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	146977	46.762	ug/l	94
40) Benzene	4.65	78	338062	51.022	ug/l	100
41) Methacrylonitrile	4.76	41	36679	58.809	ug/l #	82
42) 1,2-Dichloroethane	4.96	62	132203	54.653	ug/l	96
43) Isopropyl Acetate	6.97	43	81559	54.480	ug/l #	99
44) Trichloroethene	5.52	130	111553	51.492	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93234	54.180	ug/l	94
46) Dibromomethane	6.10	93	61221	52.445	ug/l	98
47) Bromodichloromethane	6.40	83	168385	54.310	ug/l	93
48) Methyl methacrylate	6.73	41	57754	52.350	ug/l	98
49) 1,4-Dioxane	6.72	88	8967	1110.587	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	299501	266.479	ug/l	99
52) Toluene	7.64	92	217305	46.691	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	137946	54.698	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	162681	52.106	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	74459	54.905	ug/l	97
56) Ethyl methacrylate	8.64	69	80259	53.275	ug/l	92
57) 1,3-Dichloropropane	8.87	76	129157	54.436	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	71535	464.234	ug/l	94
59) 2-Hexanone	9.50	43	248790	315.524	ug/l	98
60) Dibromochloromethane	8.73	129	105395	52.160	ug/l	99
61) 1,2-Dibromoethane	9.00	107	77681	53.024	ug/l	100
64) Tetrachloroethene	8.17	164	98012	50.568	ug/l	92
65) Chlorobenzene	9.81	112	267902	54.269	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	112814	53.158	ug/l	98
67) Ethyl Benzene	9.92	91	491572	53.488	ug/l	97
68) m/p-Xylenes	10.15	106	314108	95.028	ug/l	96
69) o-Xylene	10.73	106	186158	51.073	ug/l	91
70) Styrene	10.81	104	261530	51.761	ug/l	98
71) Bromoform	10.79	173	55927	54.558	ug/l	93
73) Isopropylbenzene	11.14	105	560329	54.369	ug/l	96
74) N-amyl acetate	11.39	43	133910	56.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	89896	53.001	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	68186	55.307	ug/l	98
77) Bromobenzene	11.51	156	116887	51.733	ug/l	86
78) n-propylbenzene	11.61	91	616919	51.116	ug/l	98
79) 2-Chlorotoluene	11.73	91	357959	51.726	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	436981	52.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	32273m	53.427	ug/l	
82) 4-Chlorotoluene	11.91	91	381808	52.427	ug/l	98
83) tert-Butylbenzene	12.14	119	460878	54.078	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	442518	52.996	ug/l	98
85) sec-Butylbenzene	12.32	105	613581	52.593	ug/l	100
86) p-Isopropyltoluene	12.47	119	514080	52.558	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	218386	50.813	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	220012	52.529	ug/l	97
89) n-Butylbenzene	12.86	91	539724	54.570	ug/l	98
90) Hexachloroethane	12.93	117	129728	55.078	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	216145	53.107	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18066	55.091	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061035.D
Acq On : 17 Dec 2018 11:59
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/18/2018 2:32:09 PM

Quant Time: Dec 18 03:15:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	155568	54.704	ug/l	99
94) Hexachlorobutadiene	14.20	225	106967	56.425	ug/l	98
95) Naphthalene	14.47	128	299786	54.637	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	144107	54.575	ug/l	99

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

