

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061038.D
 Acq On : 17 Dec 2018 13:47
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:20 PM

Quant Time: Dec 18 03:25:21 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	165248	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	277748	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	248289	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	134028	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	121258	62.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.58%	
35) Dibromofluoromethane	4.14	113	130689	59.31	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.62%	
50) Toluene-d8	7.57	98	361756	55.73	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.46%	
62) 4-Bromofluorobenzene	11.43	95	167063	56.63	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	53088	21.486	ug/l	93
3) Chloromethane	1.10	50	36220	22.528	ug/l	100
4) Vinyl Chloride	1.15	62	37470	24.985	ug/l	92
5) Bromomethane	1.35	94	26931	25.467	ug/l	92
6) Chloroethane	1.40	64	18881	29.125	ug/l #	76
7) Trichlorofluoromethane	1.51	101	84202m	26.168	ug/l	
8) Diethyl Ether	1.63	74	11056	23.894	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42219	25.953	ug/l	93
10) Methyl Iodide	1.91	142	66249m	26.793	ug/l	
11) Tert butyl alcohol	2.58	59	10144	127.119	ug/l #	92
12) 1,1-Dichloroethene	1.81	96	31387	23.988	ug/l	89
13) Acrolein	2.01	56	5925	78.366	ug/l #	79
14) Allyl chloride	2.11	41	36791	22.559	ug/l	93
15) Acrylonitrile	2.96	53	21534	120.367	ug/l	91
16) Acetone	2.26	43	43019	119.837	ug/l #	93
17) Carbon Disulfide	1.84	76	87161m	24.844	ug/l	
18) Methyl Acetate	2.36	43	20287	33.128	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	75744	25.702	ug/l	98
20) Methylene Chloride	2.27	84	33173m	25.190	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	32771m	25.979	ug/l	
22) Diisopropyl ether	2.82	45	114218	25.730	ug/l	98
23) Vinyl Acetate	3.20	43	272096	134.091	ug/l #	96
24) 1,1-Dichloroethane	2.89	63	67654	25.615	ug/l	98
25) 2-Butanone	4.36	43	79202	127.559	ug/l	94
26) 2,2-Dichloropropane	3.61	77	44153	25.786	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	53487	26.045	ug/l	95
28) Bromochloromethane	3.73	49	29776	23.491	ug/l	97
29) Tetrahydrofuran	4.10	42	30627	116.367	ug/l	95
30) Chloroform	3.88	83	103091	25.361	ug/l	97
31) Cyclohexane	3.71	56	69361	25.305	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	62513	22.175	ug/l	97
36) 1,1-Dichloropropene	4.30	75	74006	24.023	ug/l	98
37) Ethyl Acetate	4.14	43	28440	22.717	ug/l #	77
38) Carbon Tetrachloride	4.01	117	60274	22.151	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061038.D
 Acq On : 17 Dec 2018 13:47
 Operator : VA/AP
 Sample : VF1217SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1217SBSD01

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:20 PM

Quant Time: Dec 18 03:25:21 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	71486	22.142	ug/l	96
40) Benzene	4.65	78	167307	24.583	ug/l	100
41) Methacrylonitrile	4.77	41	15482	21.689	ug/l	90
42) 1,2-Dichloroethane	4.96	62	63353	25.497	ug/l	93
43) Isopropyl Acetate	6.98	43	36135	21.864	ug/l #	86
44) Trichloroethene	5.52	130	53935	24.237	ug/l	89
45) 1,2-Dichloropropane	6.26	63	43824	24.793	ug/l	93
46) Dibromomethane	6.10	93	28333	23.629	ug/l #	89
47) Bromodichloromethane	6.41	83	77457	24.322	ug/l	99
48) Methyl methacrylate	6.73	41	23133	20.414	ug/l	91
49) 1,4-Dioxane	6.73	88	4008	483.269	ug/l	90
51) 4-Methyl-2-Pentanone	8.27	43	142696	123.604	ug/l	98
52) Toluene	7.64	92	109059	22.813	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	61262	23.649	ug/l	91
54) cis-1,3-Dichloropropene	7.33	75	74296	23.167	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	32362	23.232	ug/l #	83
56) Ethyl methacrylate	8.64	69	35336	22.835	ug/l	93
57) 1,3-Dichloropropane	8.87	76	61081	25.063	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.33	63	35075	221.601	ug/l	93
59) 2-Hexanone	9.52	43	103434	127.708	ug/l	97
60) Dibromochloromethane	8.74	129	46445	22.378	ug/l	98
61) 1,2-Dibromoethane	9.00	107	34033	22.616	ug/l	92
64) Tetrachloroethene	8.17	164	43764	23.077	ug/l	96
65) Chlorobenzene	9.82	112	118056	24.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	50081	24.118	ug/l	82
67) Ethyl Benzene	9.92	91	234799	26.111	ug/l	97
68) m/p-Xylenes	10.15	106	163508	50.556	ug/l	92
69) o-Xylene	10.73	106	85090	23.859	ug/l	87
70) Styrene	10.81	104	123510	24.983	ug/l	97
71) Bromoform	10.79	173	25261	25.185	ug/l	92
73) Isopropylbenzene	11.14	105	257352	24.298	ug/l	100
74) N-amyl acetate	11.39	43	60701	24.819	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	44959	25.792	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	31616	24.953	ug/l	90
77) Bromobenzene	11.51	156	56562	24.358	ug/l	85
78) n-propylbenzene	11.61	91	327152	26.376	ug/l	99
79) 2-Chlorotoluene	11.73	91	186377	26.206	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	217979	25.351	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	14715m	23.703	ug/l	
82) 4-Chlorotoluene	11.91	91	187439	25.043	ug/l	99
83) tert-Butylbenzene	12.14	119	218775	24.978	ug/l	92
84) 1,2,4-Trimethylbenzene	12.22	105	219404	25.567	ug/l	97
85) sec-Butylbenzene	12.32	105	303285	25.295	ug/l	98
86) p-Isopropyltoluene	12.47	119	257464	25.612	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	111992	25.355	ug/l	94
88) 1,4-Dichlorobenzene	12.57	146	103800	24.114	ug/l	97
89) n-Butylbenzene	12.86	91	274708	27.026	ug/l	97
90) Hexachloroethane	12.93	117	57932	23.933	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	107316	25.656	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8396	24.913	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061038.D
Acq On : 17 Dec 2018 13:47
Operator : VA/AP
Sample : VF1217SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBSD01

Manual Integrations
APPROVED

apatel
12/18/2018 2:32:20 PM

Quant Time: Dec 18 03:25:21 2018
Quant Method : Z:\V0ASRV\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	76149	26.055	ug/l	99
94) Hexachlorobutadiene	14.20	225	48592	24.941	ug/l	95
95) Naphthalene	14.47	128	137367	22.276	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	71831	26.470	ug/l	97

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

