

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061017.D
 Acq On : 14 Dec 2018 13:49
 Operator : VA/AP
 Sample : VF1214SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBSD01

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:42 PM

Quant Time: Dec 15 00:45:16 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	4.86	168	191488	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	305962	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	280659	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	158700	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	119332	52.90	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	4.10	113	126019	51.92	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	7.54	98	337933	47.26	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.40	95	166345	51.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	56670	19.793	ug/l	94
3) Chloromethane	1.09	50	42126	22.611	ug/l	99
4) Vinyl Chloride	1.14	62	43672	25.130	ug/l	99
5) Bromomethane	1.33	94	30558	24.937	ug/l	90
6) Chloroethane	1.38	64	18667	24.849	ug/l	99
7) Trichlorofluoromethane	1.49	101	82412	22.102	ug/l	89
8) Diethyl Ether	1.62	74	12720	23.723	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.82	101	44449	23.580	ug/l	95
10) Methyl Iodide	1.89	142	71809m	25.062	ug/l	
11) Tert butyl alcohol	2.56	59	11397	123.250	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	35990	23.737	ug/l	92
13) Acrolein	2.00	56	7006	79.966	ug/l	95
14) Allyl chloride	2.09	41	40551	21.458	ug/l	94
15) Acrylonitrile	2.94	53	25861	124.745	ug/l	89
16) Acetone	2.24	43	51599	124.042	ug/l	99
17) Carbon Disulfide	1.83	76	96707m	23.788	ug/l	
18) Methyl Acetate	2.34	43	19136	26.649	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78133	22.880	ug/l	92
20) Methylene Chloride	2.25	84	36793m	24.110	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	37005	25.316	ug/l	93
22) Diisopropyl ether	2.79	45	130494	25.368	ug/l	97
23) Vinyl Acetate	3.18	43	313685	133.403	ug/l	97
24) 1,1-Dichloroethane	2.87	63	76356	24.949	ug/l	99
25) 2-Butanone	4.33	43	93027	129.294	ug/l	98
26) 2,2-Dichloropropane	3.59	77	42117	21.226	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	55588	23.359	ug/l	95
28) Bromochloromethane	3.71	49	34820	23.706	ug/l	96
29) Tetrahydrofuran	4.07	42	37204	121.986	ug/l	99
30) Chloroform	3.85	83	105640	22.427	ug/l	95
31) Cyclohexane	3.68	56	76980	24.236	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	73331	22.448	ug/l	94
36) 1,1-Dichloropropene	4.27	75	85631	25.233	ug/l	99
37) Ethyl Acetate	4.10	43	37000	26.829	ug/l #	91
38) Carbon Tetrachloride	3.98	117	63973	21.343	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061017.D
 Acq On : 14 Dec 2018 13:49
 Operator : VA/AP
 Sample : VF1214SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1214SBSD01

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:42 PM

Quant Time: Dec 15 00:45:16 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	5.44	83	80872	22.740	ug/l	99
40) Benzene	4.62	78	180616	24.091	ug/l	96
41) Methacrylonitrile	4.73	41	17284	22.037	ug/l	95
42) 1,2-Dichloroethane	4.93	62	67039	24.493	ug/l	97
43) Isopropyl Acetate	6.95	43	42755	23.697	ug/l #	91
44) Trichloroethene	5.49	130	57339	23.391	ug/l	93
45) 1,2-Dichloropropane	6.22	63	47419	24.353	ug/l	90
46) Dibromomethane	6.07	93	33358	25.255	ug/l	98
47) Bromodichloromethane	6.37	83	80800	23.032	ug/l	94
48) Methyl methacrylate	6.70	41	28686	22.980	ug/l	90
49) 1,4-Dioxane	6.69	88	4557	498.797	ug/l #	77
51) 4-Methyl-2-Pentanone	8.25	43	146439	115.149	ug/l	95
52) Toluene	7.61	92	122233	23.211	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	65281	22.877	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	80714	22.848	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	37146	24.207	ug/l	98
56) Ethyl methacrylate	8.61	69	39139	22.960	ug/l	97
57) 1,3-Dichloropropane	8.84	76	66599	24.807	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	35756	205.072	ug/l	92
59) 2-Hexanone	9.49	43	112008	125.542	ug/l	95
60) Dibromochloromethane	8.71	129	50397	22.043	ug/l	89
61) 1,2-Dibromoethane	8.97	107	40202	24.252	ug/l	94
64) Tetrachloroethene	8.14	164	49801	23.232	ug/l	94
65) Chlorobenzene	9.78	112	134527	24.639	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	53392	22.747	ug/l	90
67) Ethyl Benzene	9.89	91	248445	24.442	ug/l	98
68) m/p-Xylenes	10.12	106	189669	51.881	ug/l	97
69) o-Xylene	10.70	106	102344	25.387	ug/l	94
70) Styrene	10.78	104	144098	25.786	ug/l	97
71) Bromoform	10.76	173	28105	24.789	ug/l #	93
73) Isopropylbenzene	11.11	105	301971	24.078	ug/l	100
74) N-amyl acetate	11.36	43	73564	25.402	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	52480	25.426	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	37877m	25.247	ug/l	
77) Bromobenzene	11.49	156	63465	23.082	ug/l	89
78) n-propylbenzene	11.59	91	368512	25.091	ug/l	100
79) 2-Chlorotoluene	11.71	91	204164	24.244	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	250672	24.621	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	18322m	24.925	ug/l	
82) 4-Chlorotoluene	11.89	91	212452	23.972	ug/l	93
83) tert-Butylbenzene	12.12	119	249791	24.086	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	242998	23.914	ug/l	100
85) sec-Butylbenzene	12.30	105	340885	24.011	ug/l	99
86) p-Isopropyltoluene	12.46	119	291852	24.520	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	125980	24.088	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	120308	23.604	ug/l	96
89) n-Butylbenzene	12.84	91	310972	25.837	ug/l	96
90) Hexachloroethane	12.91	117	70606	24.634	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	118442	23.914	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8477	21.243	ug/l	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
Data File : VF061017.D
Acq On : 14 Dec 2018 13:49
Operator : VA/AP
Sample : VF1214SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBSD01

Manual Integrations
APPROVED

apatel
12/15/2018 3:25:42 PM

Quant Time: Dec 15 00:45:16 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	14.19	180	84306	24.361	ug/l	96
94) Hexachlorobutadiene	14.18	225	53719	23.286	ug/l	97
95) Naphthalene	14.45	128	148932	20.079	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	75185	23.398	ug/l	98

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

