

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060571.D
 Acq On : 5 Nov 2018 14:01
 Operator : VA/AP
 Sample : VF1105SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:47 PM

Quant Time: Nov 05 13:45:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	260651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	434164	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	403433	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	221468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	131819	50.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	4.10	113	168380	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	7.54	98	474097	47.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.40	95	231755	53.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	92002	32.368	ug/l	97
3) Chloromethane	1.09	50	69756	30.579	ug/l	99
4) Vinyl Chloride	1.14	62	62959	29.951	ug/l	94
5) Bromomethane	1.30	94	29081	24.646	ug/l	91
6) Chloroethane	1.37	64	19688	23.678	ug/l	99
7) Trichlorofluoromethane	1.47	101	94388	23.991	ug/l	94
8) Diethyl Ether	1.62	74	15418	21.144	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.81	101	53447	23.773	ug/l	93
10) Methyl Iodide	1.87	142	92570	25.021	ug/l	91
11) Tert butyl alcohol	2.56	59	15645	109.630	ug/l #	90
12) 1,1-Dichloroethene	1.77	96	42516	22.453	ug/l	99
13) Acrolein	2.00	56	13048	135.641	ug/l	97
14) Allyl chloride	2.09	41	81876	26.481	ug/l	97
15) Acrylonitrile	2.93	53	33152	105.626	ug/l	98
16) Acetone	2.22	43	78107	125.864	ug/l	97
17) Carbon Disulfide	1.76	76	143159m	26.840	ug/l	
18) Methyl Acetate	2.33	43	19659	20.678	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	94272	21.297	ug/l	99
20) Methylene Chloride	2.17	84	53904	26.756	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	53040	26.699	ug/l	93
22) Diisopropyl ether	2.79	45	160307	24.471	ug/l #	98
23) Vinyl Acetate	3.17	43	424438	107.837	ug/l	96
24) 1,1-Dichloroethane	2.86	63	85687	22.602	ug/l	99
25) 2-Butanone	4.32	43	133359	94.290	ug/l	100
26) 2,2-Dichloropropane	3.59	77	71062	25.051	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	83627	22.052	ug/l	99
28) Bromochloromethane	3.71	49	49861	20.957	ug/l	96
29) Tetrahydrofuran	4.05	42	51929	106.758	ug/l	99
30) Chloroform	3.84	83	136020	22.678	ug/l	93
31) Cyclohexane	3.68	56	119041	22.754	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	103509	24.709	ug/l	98
36) 1,1-Dichloropropene	4.27	75	107422	22.471	ug/l	99
37) Ethyl Acetate	4.10	43	42500	18.520	ug/l	89
38) Carbon Tetrachloride	3.97	117	93396	22.864	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060571.D
 Acq On : 5 Nov 2018 14:01
 Operator : VA/AP
 Sample : VF1105SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1105SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:47 PM

Quant Time: Nov 05 13:45:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	145552	24.950	ug/l	94
40) Benzene	4.62	78	269506	23.226	ug/l	99
41) Methacrylonitrile	4.73	41	25514	19.633	ug/l	99
42) 1,2-Dichloroethane	4.93	62	67564	20.287	ug/l	95
43) Isopropyl Acetate	6.95	43	65192	22.459	ug/l #	94
44) Trichloroethene	5.49	130	76679	21.987	ug/l	95
45) 1,2-Dichloropropane	6.22	63	65610	22.108	ug/l	99
46) Dibromomethane	6.07	93	40127	21.313	ug/l	95
47) Bromodichloromethane	6.37	83	98433	21.675	ug/l #	98
48) Methyl methacrylate	6.70	41	40131	21.998	ug/l	89
49) 1,4-Dioxane	6.69	88	7615	399.023	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	234307	120.036	ug/l	99
52) Toluene	7.61	92	164641	21.781	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	81863	20.741	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	112232	22.506	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	46949	21.344	ug/l	94
56) Ethyl methacrylate	8.61	69	62526	22.094	ug/l	95
57) 1,3-Dichloropropane	8.84	76	81009	20.989	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.61	63	21972	109.665	ug/l	100
59) 2-Hexanone	9.47	43	187535	133.124	ug/l	99
60) Dibromochloromethane	8.71	129	63042	20.493	ug/l	88
61) 1,2-Dibromoethane	8.97	107	49717	21.493	ug/l	93
64) Tetrachloroethene	8.14	164	64412	20.372	ug/l	99
65) Chlorobenzene	9.79	112	175755	21.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	75267	21.591	ug/l	97
67) Ethyl Benzene	9.89	91	341430	22.805	ug/l	100
68) m/p-Xylenes	10.12	106	249467	44.235	ug/l	96
69) o-Xylene	10.70	106	137780	22.374	ug/l	95
70) Styrene	10.78	104	190479	21.351	ug/l	96
71) Bromoform	10.77	173	34358	19.083	ug/l #	96
73) Isopropylbenzene	11.11	105	391085	22.643	ug/l	94
74) N-amyl acetate	11.36	43	108651	22.894	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	70155	22.253	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	33824	21.831	ug/l	96
77) Bromobenzene	11.49	156	80242	21.232	ug/l	93
78) n-propylbenzene	11.59	91	453118	22.423	ug/l	100
79) 2-Chlorotoluene	11.71	91	255835	22.168	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	313834	22.044	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.86	75	26176m	21.497	ug/l	
82) 4-Chlorotoluene	11.89	91	267293	22.199	ug/l	97
83) tert-Butylbenzene	12.12	119	332226	22.843	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	310975	22.305	ug/l	98
85) sec-Butylbenzene	12.30	105	451806	22.582	ug/l	99
86) p-Isopropyltoluene	12.45	119	372923	22.634	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	163730	22.072	ug/l	94
88) 1,4-Dichlorobenzene	12.56	146	152221	21.635	ug/l	97
89) n-Butylbenzene	12.84	91	378680	21.116	ug/l	96
90) Hexachloroethane	12.91	117	90081	21.499	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	145778	21.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8045	14.688	ug/l	79

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060571.D
Acq On : 5 Nov 2018 14:01
Operator : VA/AP
Sample : VF1105SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBSD01

Manual Integrations
APPROVED

MMDadoda
11/6/2018 12:53:47 PM

Quant Time: Nov 05 13:45:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	97477	20.675	ug/l	95
94) Hexachlorobutadiene	14.18	225	60263	19.726	ug/l	97
95) Naphthalene	14.45	128	192129	20.360	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	88018	19.763	ug/l	95

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

