

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	207449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	375583	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	318528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	150862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	118493	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	4.10	113	144634	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	7.54	98	385477	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.40	95	165729	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	70038	17.183	ug/l	93
3) Chloromethane	1.10	50	61380	20.537	ug/l	98
4) Vinyl Chloride	1.14	62	53056	19.956	ug/l	96
5) Bromomethane	1.32	94	32426	18.704	ug/l	94
6) Chloroethane	1.39	64	24873	21.114	ug/l #	87
7) Trichlorofluoromethane	1.46	101	90107m	17.434	ug/l	
8) Diethyl Ether	1.63	74	13106	19.790	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49095	19.769	ug/l	89
10) Methyl Iodide	1.91	142	76747m	19.934	ug/l	
11) Tert butyl alcohol	2.56	59	9939	91.678	ug/l	96
12) 1,1-Dichloroethene	1.80	96	37495m	20.322	ug/l	
13) Acrolein	1.99	56	8020	92.671	ug/l	85
14) Allyl chloride	2.09	41	56756	26.819	ug/l	93
15) Acrylonitrile	2.93	53	30118	108.456	ug/l	95
16) Acetone	2.23	43	63314	123.224	ug/l #	92
17) Carbon Disulfide	1.82	76	111806m	19.434	ug/l	
18) Methyl Acetate	2.34	43	21450	21.051	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76403	18.472	ug/l	95
20) Methylene Chloride	2.17	84	40862m	22.460	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	40849	20.123	ug/l	96
22) Diisopropyl ether	2.79	45	138628	21.113	ug/l	93
23) Vinyl Acetate	3.18	43	323978	113.941	ug/l	100
24) 1,1-Dichloroethane	2.86	63	79502	19.292	ug/l	98
25) 2-Butanone	4.32	43	98856	115.696	ug/l	100
26) 2,2-Dichloropropane	3.58	77	46991	18.560	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	58159	19.409	ug/l	96
28) Bromochloromethane	3.71	49	36960	19.953	ug/l #	90
29) Tetrahydrofuran	4.07	42	38797	105.450	ug/l	97
30) Chloroform	3.85	83	111128	19.982	ug/l	98
31) Cyclohexane	3.67	56	83183m	20.208	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	73358	17.989	ug/l	95
36) 1,1-Dichloropropene	4.26	75	82712	18.994	ug/l	98
37) Ethyl Acetate	4.10	43	38676	22.218	ug/l #	80
38) Carbon Tetrachloride	3.98	117	62756	16.484	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	88349	18.721	ug/l	96
40) Benzene	4.62	78	194502	20.073	ug/l	99
41) Methacrylonitrile	4.74	41	19271	20.806	ug/l #	94
42) 1,2-Dichloroethane	4.93	62	56570	16.383	ug/l	98
43) Isopropyl Acetate	6.95	43	41930	19.192	ug/l #	91
44) Trichloroethene	5.50	130	61383	20.650	ug/l	98
45) 1,2-Dichloropropane	6.23	63	49330	19.397	ug/l	98
46) Dibromomethane	6.08	93	30119	17.811	ug/l	94
47) Bromodichloromethane	6.37	83	77059	18.418	ug/l	98
48) Methyl methacrylate	6.71	41	27119	18.485	ug/l	96
49) 1,4-Dioxane	6.70	88	4350	381.877	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	158555	98.720	ug/l	96
52) Toluene	7.62	92	115845	18.154	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	62764	18.892	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	77605	18.687	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	35185	19.417	ug/l	95
56) Ethyl methacrylate	8.61	69	35045	16.623	ug/l	94
57) 1,3-Dichloropropane	8.84	76	58618	17.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	28961	144.101	ug/l	99
59) 2-Hexanone	9.48	43	117912	105.281	ug/l	99
60) Dibromochloromethane	8.71	129	46509	17.556	ug/l	98
61) 1,2-Dibromoethane	8.98	107	35559	17.141	ug/l	98
64) Tetrachloroethene	8.14	164	45356	18.935	ug/l	97
65) Chlorobenzene	9.79	112	126262	19.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	50786	19.681	ug/l	99
67) Ethyl Benzene	9.89	91	228672	19.322	ug/l	100
68) m/p-Xylenes	10.12	106	171800	40.361	ug/l	99
69) o-Xylene	10.70	106	100559	21.798	ug/l	89
70) Styrene	10.78	104	129221	20.463	ug/l	97
71) Bromoform	10.76	173	25131	21.676	ug/l	98
73) Isopropylbenzene	11.12	105	284792	23.211	ug/l	96
74) N-amyl acetate	11.36	43	72953	25.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47369	21.671	ug/l	88
76) 1,2,3-Trichloropropane	11.79	75	32655	20.791	ug/l	94
77) Bromobenzene	11.48	156	54985	21.219	ug/l	86
78) n-propylbenzene	11.59	91	331220	20.745	ug/l	98
79) 2-Chlorotoluene	11.71	91	181374	21.305	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	219882	22.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	13885m	20.336	ug/l	
82) 4-Chlorotoluene	11.89	91	183880	21.404	ug/l	98
83) tert-Butylbenzene	12.12	119	229389	22.382	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	225498	22.109	ug/l	94
85) sec-Butylbenzene	12.30	105	318728	22.900	ug/l	98
86) p-Isopropyltoluene	12.45	119	261527	22.890	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	111282	20.450	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	103385	21.113	ug/l	97
89) n-Butylbenzene	12.83	91	271304	23.025	ug/l	96
90) Hexachloroethane	12.91	117	62786	23.313	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	102042	21.051	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8066	20.805	ug/l	70

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
Data File : VF061536.D
Acq On : 28 Jan 2019 12:44
Operator : VA/AP
Sample : VF0128SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70150	20.658	ug/l	98
94) Hexachlorobutadiene	14.19	225	43660	20.720	ug/l	97
95) Naphthalene	14.45	128	124883	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	60959	19.392	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 Client Sample Id :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

