

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061545.D
 Acq On : 7 Feb 2019 15:18
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:35:57 PM

Quant Time: Feb 09 04:48:13 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	4.86	168	195435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	323071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	289137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	147485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	92167	38.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.40%	
35) Dibromofluoromethane	4.10	113	102265	40.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.22%	
50) Toluene-d8	7.55	98	273162	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	
62) 4-Bromofluorobenzene	11.40	95	130372	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	57257	14.911	ug/l	97
3) Chloromethane	1.09	50	47672	16.931	ug/l	100
4) Vinyl Chloride	1.13	62	41888	16.724	ug/l	99
5) Bromomethane	1.32	94	28127	17.221	ug/l	100
6) Chloroethane	1.39	64	20842	18.780	ug/l	98
7) Trichlorofluoromethane	1.48	101	86259	17.715	ug/l	99
8) Diethyl Ether	1.63	74	12072	19.349	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	39624	16.936	ug/l	95
10) Methyl Iodide	1.90	142	64444m	17.767	ug/l	
11) Tert butyl alcohol	2.56	59	9348	91.527	ug/l	96
12) 1,1-Dichloroethene	1.79	96	32624	18.769	ug/l	85
13) Acrolein	2.00	56	5710	72.560	ug/l #	62
14) Allyl chloride	2.09	41	51288	25.170	ug/l	95
15) Acrylonitrile	2.94	53	25213	96.374	ug/l	97
16) Acetone	2.23	43	53328	110.169	ug/l	100
17) Carbon Disulfide	1.80	76	89421	16.499	ug/l	96
18) Methyl Acetate	2.34	43	17218	17.936	ug/l #	85
19) Methyl tert-butyl Ether	2.43	73	67302	17.272	ug/l	96
20) Methylene Chloride	2.18	84	35068m	20.298	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	33616	17.578	ug/l #	95
22) Diisopropyl ether	2.79	45	113707	18.382	ug/l	99
23) Vinyl Acetate	3.19	43	274181	102.681	ug/l	98
24) 1,1-Dichloroethane	2.87	63	69761	17.969	ug/l	98
25) 2-Butanone	4.33	43	81779	101.593	ug/l	92
26) 2,2-Dichloropropane	3.59	77	45272	18.980	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	49275	17.455	ug/l	95
28) Bromochloromethane	3.71	49	30631	17.553	ug/l #	91
29) Tetrahydrofuran	4.07	42	30372	87.625	ug/l	95
30) Chloroform	3.85	83	100604	19.201	ug/l	97
31) Cyclohexane	3.69	56	70295m	18.126	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	71162	18.524	ug/l	95
36) 1,1-Dichloropropene	4.27	75	73809	19.704	ug/l	97
37) Ethyl Acetate	4.11	43	29057	19.406	ug/l #	73
38) Carbon Tetrachloride	3.98	117	64103	19.575	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061545.D
 Acq On : 7 Feb 2019 15:18
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:35:57 PM

Quant Time: Feb 09 04:48:13 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	5.44	83	73544	18.117	ug/l	98
40) Benzene	4.63	78	163037	19.560	ug/l	99
41) Methacrylonitrile	4.74	41	15925	19.988	ug/l	94
42) 1,2-Dichloroethane	4.93	62	54869	18.473	ug/l	97
43) Isopropyl Acetate	6.95	43	37643	20.031	ug/l #	98
44) Trichloroethene	5.49	130	51409	20.106	ug/l	96
45) 1,2-Dichloropropane	6.23	63	41040	18.760	ug/l	95
46) Dibromomethane	6.09	93	27680	19.029	ug/l	96
47) Bromodichloromethane	6.38	83	69503	19.312	ug/l	97
48) Methyl methacrylate	6.71	41	23090	18.297	ug/l	99
49) 1,4-Dioxane	6.70	88	3419	342.498	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	131440	95.139	ug/l	99
52) Toluene	7.61	92	101536	18.498	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	58384	20.430	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	71125	19.911	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	30350	19.471	ug/l	96
56) Ethyl methacrylate	8.61	69	31930	17.607	ug/l #	79
57) 1,3-Dichloropropane	8.85	76	52141	17.847	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	25309	145.959	ug/l	98
59) 2-Hexanone	9.49	43	101238	105.086	ug/l	94
60) Dibromochloromethane	8.71	129	42628	18.707	ug/l	96
61) 1,2-Dibromoethane	8.99	107	33065	18.530	ug/l	100
64) Tetrachloroethene	8.15	164	41783	19.216	ug/l	95
65) Chlorobenzene	9.79	112	112972	19.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	48740	20.809	ug/l	97
67) Ethyl Benzene	9.89	91	219227	20.407	ug/l	98
68) m/p-Xylenes	10.12	106	144835	37.485	ug/l	91
69) o-Xylene	10.70	106	88883	21.225	ug/l	96
70) Styrene	10.78	104	117654	20.525	ug/l	98
71) Bromoform	10.77	173	22664	21.535	ug/l #	96
73) Isopropylbenzene	11.12	105	258668	21.564	ug/l	99
74) N-amyl acetate	11.36	43	65677	23.155	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	43838	20.515	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	29065	18.929	ug/l	91
77) Bromobenzene	11.49	156	51189	20.207	ug/l	99
78) n-propylbenzene	11.59	91	306660	19.606	ug/l	100
79) 2-Chlorotoluene	11.72	91	173835	20.887	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	199110	20.569	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	14529m	21.767	ug/l	
82) 4-Chlorotoluene	11.90	91	167687	19.966	ug/l	97
83) tert-Butylbenzene	12.12	119	214599	21.418	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	203309	20.390	ug/l	97
85) sec-Butylbenzene	12.30	105	280193	20.593	ug/l	94
86) p-Isopropyltoluene	12.46	119	237124	21.230	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	103246	19.384	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	98708	20.620	ug/l	98
89) n-Butylbenzene	12.84	91	248702	21.590	ug/l	95
90) Hexachloroethane	12.91	117	56905	21.613	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	94949	20.036	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7680	20.263	ug/l	82

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061545.D
Acq On : 7 Feb 2019 15:18
Operator : VA/AP
Sample : VF0207SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBSD01

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:35:57 PM

Quant Time: Feb 09 04:48:13 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	14.19	180	67968	20.474	ug/l	97
94) Hexachlorobutadiene	14.18	225	29263	14.205	ug/l	98
95) Naphthalene	14.45	128	118879	18.848	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	57307	18.648	ug/l	98

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

