

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060628.D
 Acq On : 7 Nov 2018 14:21
 Operator : VA/AP
 Sample : VF1107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Manual Integrations
 APPROVED

apatel
 11/8/2018 10:28:40 AM

Quant Time: Nov 07 15:06:02 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	4.88	168	271359	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.60	114	468371	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	402897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	220511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	147296	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.12	113	188647	52.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.57	98	507118	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.41	95	224797	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	80787	26.619	ug/l	93
3) Chloromethane	1.10	50	57082	24.035	ug/l	94
4) Vinyl Chloride	1.15	62	52011	23.766	ug/l	96
5) Bromomethane	1.33	94	29440	23.966	ug/l	86
6) Chloroethane	1.38	64	17792	19.933	ug/l #	87
7) Trichlorofluoromethane	1.50	101	96198m	23.486	ug/l	
8) Diethyl Ether	1.64	74	15252	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54322	23.209	ug/l	94
10) Methyl Iodide	1.90	142	84528	21.946	ug/l	96
11) Tert butyl alcohol	2.59	59	12095	79.616	ug/l	97
12) 1,1-Dichloroethene	1.79	96	41677	21.141	ug/l #	87
13) Acrolein	2.01	56	11055	103.135	ug/l	96
14) Allyl chloride	2.10	41	73465	22.823	ug/l	97
15) Acrylonitrile	2.95	53	30801	94.263	ug/l	98
16) Acetone	2.24	43	67359	104.261	ug/l	99
17) Carbon Disulfide	1.83	76	125791	22.653	ug/l	97
18) Methyl Acetate	2.35	43	21451	21.650	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	94399	20.485	ug/l	99
20) Methylene Chloride	2.19	84	43358m	19.277	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	45580	22.039	ug/l	91
22) Diisopropyl ether	2.81	45	137997	20.234	ug/l #	93
23) Vinyl Acetate	3.20	43	388344	94.773	ug/l	99
24) 1,1-Dichloroethane	2.88	63	86207	21.841	ug/l	98
25) 2-Butanone	4.34	43	129387	85.368	ug/l	97
26) 2,2-Dichloropropane	3.60	77	70012	23.706	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	81566	20.659	ug/l	97
28) Bromochloromethane	3.73	49	53481	21.592	ug/l	93
29) Tetrahydrofuran	4.09	42	47916	93.305	ug/l	98
30) Chloroform	3.87	83	131123	20.998	ug/l	98
31) Cyclohexane	3.71	56	119995	22.031	ug/l #	93
32) 1,1,1-Trichloroethane	4.11	97	110644	25.370	ug/l	98
36) 1,1-Dichloropropene	4.29	75	110408	21.409	ug/l	100
37) Ethyl Acetate	4.12	43	47303	19.108	ug/l	91
38) Carbon Tetrachloride	4.00	117	98661m	22.389	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060628.D
 Acq On : 7 Nov 2018 14:21
 Operator : VA/AP
 Sample : VF1107SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1107SBSD01

Manual Integrations
 APPROVED

apatel
 11/8/2018 10:28:40 AM

Quant Time: Nov 07 15:06:02 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	5.47	83	136691	21.720	ug/l	96
40) Benzene	4.65	78	264523	21.131	ug/l	100
41) Methacrylonitrile	4.76	41	22570	16.099	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	70359	19.583	ug/l	93
43) Isopropyl Acetate	6.97	43	60571	19.343	ug/l #	96
44) Trichloroethene	5.52	130	78424	20.845	ug/l	97
45) 1,2-Dichloropropane	6.25	63	64201	20.053	ug/l	100
46) Dibromomethane	6.10	93	40667	20.022	ug/l #	82
47) Bromodichloromethane	6.39	83	98349	20.075	ug/l	93
48) Methyl methacrylate	6.73	41	36607	18.601	ug/l	95
49) 1,4-Dioxane	6.72	88	6917	335.977	ug/l	96
51) 4-Methyl-2-Pentanone	8.27	43	200902	95.405	ug/l	94
52) Toluene	7.64	92	165554	20.303	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	81734	19.196	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	109328	20.322	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	45415	19.139	ug/l	98
56) Ethyl methacrylate	8.63	69	55444	18.161	ug/l	99
57) 1,3-Dichloropropane	8.87	76	81455	19.564	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.64	63	22188	101.200	ug/l	100
59) 2-Hexanone	9.50	43	165994	104.107	ug/l	97
60) Dibromochloromethane	8.73	129	61977	18.676	ug/l	95
61) 1,2-Dibromoethane	9.00	107	47439	19.011	ug/l	91
64) Tetrachloroethene	8.17	164	62891	19.918	ug/l	96
65) Chlorobenzene	9.81	112	169045	20.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	74123	21.291	ug/l	95
67) Ethyl Benzene	9.92	91	328990	22.004	ug/l	98
68) m/p-Xylenes	10.14	106	227930	40.470	ug/l	90
69) o-Xylene	10.72	106	131122	21.321	ug/l	93
70) Styrene	10.80	104	180670	20.278	ug/l	99
71) Bromoform	10.78	173	30095	16.738	ug/l	97
73) Isopropylbenzene	11.14	105	392145	22.803	ug/l	97
74) N-amyl acetate	11.38	43	99466	20.742	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	62836	20.018	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	28857	18.706	ug/l	97
77) Bromobenzene	11.50	156	77895	20.700	ug/l	97
78) n-propylbenzene	11.60	91	457732	22.749	ug/l	98
79) 2-Chlorotoluene	11.73	91	254320	22.132	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	311246	21.957	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.88	75	22049m	18.187	ug/l	
82) 4-Chlorotoluene	11.91	91	263191	21.953	ug/l	99
83) tert-Butylbenzene	12.13	119	332082	22.932	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	308428	22.218	ug/l	97
85) sec-Butylbenzene	12.31	105	438243	21.999	ug/l	98
86) p-Isopropyltoluene	12.47	119	366312	22.330	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	159206	21.555	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	143736	20.518	ug/l	94
89) n-Butylbenzene	12.85	91	381474	21.388	ug/l	97
90) Hexachloroethane	12.92	117	91241	21.871	ug/l	77
91) 1,2-Dichlorobenzene	12.95	146	149177	21.589	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10420	19.107	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060628.D
Acq On : 7 Nov 2018 14:21
Operator : VA/AP
Sample : VF1107SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBSD01

Manual Integrations
APPROVED

apatel
11/8/2018 10:28:40 AM

Quant Time: Nov 07 15:06:02 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	14.21	180	103688	22.088	ug/l	97
94) Hexachlorobutadiene	14.20	225	64937	21.348	ug/l	95
95) Naphthalene	14.46	128	195874	20.847	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	94101	21.221	ug/l	99

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

