

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060439.D
 Acq On : 4 Oct 2018 16:48
 Operator : VA/AP
 Sample : VF1004SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:26:27 PM

Quant Time: Oct 04 17:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	278749	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	436655	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	413728	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	220276	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	217412	49.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	4.28	113	198593	48.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.69	98	513577	50.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.50	95	239856	52.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	136005	19.219	ug/l	99
3) Chloromethane	1.13	50	74713	19.738	ug/l	96
4) Vinyl Chloride	1.18	62	76650	19.466	ug/l	92
5) Bromomethane	1.36	94	59754	19.592	ug/l	96
6) Chloroethane	1.43	64	37250	18.957	ug/l	98
7) Trichlorofluoromethane	1.54	101	173200	18.959	ug/l	96
8) Diethyl Ether	1.70	74	25237	20.157	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.90	101	81303	18.579	ug/l	96
10) Methyl Iodide	1.98	142	126299m	18.926	ug/l	
11) Tert butyl alcohol	2.69	59	24879	94.299	ug/l #	78
12) 1,1-Dichloroethene	1.86	96	68671	20.310	ug/l	95
13) Acrolein	2.08	56	19535	92.070	ug/l #	73
14) Allyl chloride	2.18	41	105635	19.498	ug/l	89
15) Acrylonitrile	3.07	53	51857	114.709	ug/l #	88
16) Acetone	2.33	43	126582	129.464	ug/l	95
17) Carbon Disulfide	1.90	76	194182	18.966	ug/l	100
18) Methyl Acetate	2.45	43	31792	18.265	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	167366	20.323	ug/l #	91
20) Methylene Chloride	2.27	84	66242m	17.149	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	66849	19.796	ug/l	96
22) Diisopropyl ether	2.92	45	201692	20.510	ug/l	97
23) Vinyl Acetate	3.33	43	441588	113.042	ug/l	98
24) 1,1-Dichloroethane	2.99	63	125444	18.863	ug/l	98
25) 2-Butanone	4.50	43	130346	115.411	ug/l	95
26) 2,2-Dichloropropane	3.75	77	76047	20.190	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	76449	20.248	ug/l	98
28) Bromochloromethane	3.88	49	50208	20.485	ug/l	91
29) Tetrahydrofuran	4.24	42	52453	120.922	ug/l	95
30) Chloroform	4.03	83	162211	19.768	ug/l	98
31) Cyclohexane	3.85	56	96245	20.155	ug/l #	90
32) 1,1,1-Trichloroethane	4.26	97	131329	19.233	ug/l	96
36) 1,1-Dichloropropene	4.44	75	115101	21.380	ug/l	91
37) Ethyl Acetate	4.27	43	43836	21.263	ug/l #	92
38) Carbon Tetrachloride	4.15	117	147640m	22.530	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060439.D
 Acq On : 4 Oct 2018 16:48
 Operator : VA/AP
 Sample : VF1004SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:26:27 PM

Quant Time: Oct 04 17:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	117175	22.201	ug/l	93
40) Benzene	4.81	78	215487	20.162	ug/l	97
41) Methacrylonitrile	4.91	41	24569	22.476	ug/l	91
42) 1,2-Dichloroethane	5.11	62	117282	23.002	ug/l	97
43) Isopropyl Acetate	7.10	43	51370	20.619	ug/l #	93
44) Trichloroethene	5.66	130	75924	22.140	ug/l	94
45) 1,2-Dichloropropane	6.39	63	64912	22.807	ug/l	90
46) Dibromomethane	6.23	93	50465	22.053	ug/l	90
47) Bromodichloromethane	6.53	83	115599	20.397	ug/l	95
48) Methyl methacrylate	6.87	41	37075	20.731	ug/l #	86
49) 1,4-Dioxane	6.88	88	7590	492.217	ug/l #	78
51) 4-Methyl-2-Pentanone	8.39	43	204215	115.149	ug/l	99
52) Toluene	7.77	92	154780	21.322	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	95313	21.459	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	116088	22.364	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	49265	21.411	ug/l	86
56) Ethyl methacrylate	8.75	69	58018	22.190	ug/l #	90
57) 1,3-Dichloropropane	8.99	76	88555	22.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	28662	107.319	ug/l #	100
59) 2-Hexanone	9.62	43	160641	123.491	ug/l	100
60) Dibromochloromethane	8.86	129	73510	21.218	ug/l	96
61) 1,2-Dibromoethane	9.12	107	58039	23.052	ug/l	100
64) Tetrachloroethene	8.29	164	71317	21.684	ug/l	98
65) Chlorobenzene	9.93	112	181403	21.345	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	76234	20.544	ug/l	97
67) Ethyl Benzene	10.03	91	342171	21.175	ug/l	99
68) m/p-Xylenes	10.26	106	235222	42.344	ug/l	96
69) o-Xylene	10.82	106	129825	21.441	ug/l	95
70) Styrene	10.90	104	182123	21.146	ug/l	95
71) Bromoform	10.88	173	39865	20.178	ug/l	98
73) Isopropylbenzene	11.22	105	404315	23.312	ug/l	100
74) N-amyl acetate	11.46	43	84523	21.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	74046	23.417	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	53605	23.027	ug/l	96
77) Bromobenzene	11.59	156	87077	22.460	ug/l	98
78) n-propylbenzene	11.68	91	477548	22.712	ug/l	91
79) 2-Chlorotoluene	11.80	91	274510	22.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	338703	22.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24637m	23.875	ug/l	
82) 4-Chlorotoluene	11.98	91	286044	22.730	ug/l	100
83) tert-Butylbenzene	12.21	119	336447	23.149	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	333624	22.830	ug/l	100
85) sec-Butylbenzene	12.39	105	457372	22.798	ug/l	98
86) p-Isopropyltoluene	12.53	119	369864	22.567	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	168440	23.088	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	155792	21.656	ug/l	98
89) n-Butylbenzene	12.92	91	407671	23.506	ug/l	96
90) Hexachloroethane	12.99	117	90043	21.256	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	162917	23.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12858	20.975	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060439.D
Acq On : 4 Oct 2018 16:48
Operator : VA/AP
Sample : VF1004SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Manual Integrations
APPROVED

apatel
10/5/2018 12:26:27 PM

Quant Time: Oct 04 17:41:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	117545	22.498	ug/l	96
94) Hexachlorobutadiene	14.25	225	78443	21.512	ug/l	97
95) Naphthalene	14.52	128	204071	21.846	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	109402	22.338	ug/l	94

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

