

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060419.D
 Acq On : 3 Oct 2018 17:23
 Operator : VA/AP
 Sample : VF1003SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:05:13 PM

Quant Time: Oct 04 05:43:19 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	5.02	168	292227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	469597	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	424315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	212528	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	4.27	113	220567	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	7.69	98	547382	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.49	95	251466	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	130432	17.037	ug/l	95
3) Chloromethane	1.12	50	76147	19.189	ug/l	95
4) Vinyl Chloride	1.17	62	78896	19.113	ug/l	99
5) Bromomethane	1.35	94	56122	17.552	ug/l	95
6) Chloroethane	1.43	64	36695	17.813	ug/l	89
7) Trichlorofluoromethane	1.54	101	168410	17.584	ug/l	91
8) Diethyl Ether	1.70	74	21493	16.375	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87953	19.172	ug/l	93
10) Methyl Iodide	1.96	142	129111	18.455	ug/l	94
11) Tert butyl alcohol	2.68	59	22153	80.094	ug/l #	78
12) 1,1-Dichloroethene	1.85	96	65424	18.457	ug/l	97
13) Acrolein	2.08	56	18208	81.858	ug/l	90
14) Allyl chloride	2.18	41	97547	17.174	ug/l	97
15) Acrylonitrile	3.06	53	43020	90.772	ug/l	92
16) Acetone	2.33	43	113060	106.425	ug/l #	93
17) Carbon Disulfide	1.88	76	203718	18.979	ug/l	96
18) Methyl Acetate	2.45	43	32721	17.898	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	153550	17.785	ug/l	93
20) Methylene Chloride	2.27	84	71541m	17.856	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65290	18.443	ug/l	95
22) Diisopropyl ether	2.91	45	205811	19.963	ug/l #	96
23) Vinyl Acetate	3.31	43	395220	96.506	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	135671	19.460	ug/l	99
25) 2-Butanone	4.49	43	116606	98.483	ug/l #	90
26) 2,2-Dichloropropane	3.75	77	75981	19.243	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	77557	19.594	ug/l	96
28) Bromochloromethane	3.87	49	52009	20.242	ug/l	84
29) Tetrahydrofuran	4.24	42	42748	92.964	ug/l	99
30) Chloroform	4.01	83	168666	19.606	ug/l	94
31) Cyclohexane	3.84	56	100012	19.978	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	138867	19.399	ug/l	99
36) 1,1-Dichloropropene	4.44	75	113957	19.683	ug/l	96
37) Ethyl Acetate	4.28	43	40254	18.156	ug/l #	56
38) Carbon Tetrachloride	4.15	117	133039	18.877	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060419.D
 Acq On : 3 Oct 2018 17:23
 Operator : VA/AP
 Sample : VF1003SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:05:13 PM

Quant Time: Oct 04 05:43:19 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	5.60	83	123193	21.704	ug/l	95
40) Benzene	4.79	78	253647	22.068	ug/l	96
41) Methacrylonitrile	4.90	41	23429	19.930	ug/l	91
42) 1,2-Dichloroethane	5.10	62	105759	19.287	ug/l	98
43) Isopropyl Acetate	7.10	43	53995	20.152	ug/l #	90
44) Trichloroethene	5.65	130	76884	20.847	ug/l	98
45) 1,2-Dichloropropane	6.38	63	64850	21.187	ug/l	97
46) Dibromomethane	6.23	93	47505	19.303	ug/l	93
47) Bromodichloromethane	6.53	83	120225	19.725	ug/l	99
48) Methyl methacrylate	6.85	41	31896	16.584	ug/l #	87
49) 1,4-Dioxane	6.84	88	7039	424.462	ug/l	91
51) 4-Methyl-2-Pentanone	8.39	43	193129	101.259	ug/l	99
52) Toluene	7.76	92	159550	20.437	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	97745	20.463	ug/l	95
54) cis-1,3-Dichloropropene	7.43	75	123994	22.211	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50518	20.415	ug/l #	91
56) Ethyl methacrylate	8.74	69	56504	20.095	ug/l	88
57) 1,3-Dichloropropane	8.98	76	87319	20.858	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	27442	95.543	ug/l	100
59) 2-Hexanone	9.61	43	135188	96.634	ug/l	100
60) Dibromochloromethane	8.84	129	68029	18.259	ug/l	95
61) 1,2-Dibromoethane	9.12	107	54730	20.213	ug/l	96
64) Tetrachloroethene	8.28	164	68404	20.280	ug/l	94
65) Chlorobenzene	9.92	112	183077	21.004	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	79006	20.759	ug/l	93
67) Ethyl Benzene	10.03	91	352931	21.296	ug/l	97
68) m/p-Xylenes	10.25	106	242353	42.539	ug/l	99
69) o-Xylene	10.81	106	135804	21.868	ug/l	100
70) Styrene	10.88	104	194419	22.010	ug/l	96
71) Bromoform	10.87	173	41199	20.333	ug/l #	98
73) Isopropylbenzene	11.22	105	419306	23.003	ug/l	98
74) N-amyl acetate	11.46	43	74317	17.764	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	71433	21.495	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	52620	21.507	ug/l	95
77) Bromobenzene	11.58	156	82711	20.299	ug/l	94
78) n-propylbenzene	11.67	91	484514	21.926	ug/l	93
79) 2-Chlorotoluene	11.80	91	283220	21.910	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	352038	22.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	23165m	21.359	ug/l	
82) 4-Chlorotoluene	11.98	91	285194	21.563	ug/l	100
83) tert-Butylbenzene	12.20	119	335793	21.983	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	332488	21.648	ug/l	94
85) sec-Butylbenzene	12.38	105	472626	22.416	ug/l	100
86) p-Isopropyltoluene	12.53	119	367141	21.314	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	165183	21.543	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	152337	20.148	ug/l	97
89) n-Butylbenzene	12.90	91	393151	21.569	ug/l	89
90) Hexachloroethane	12.98	117	87013	19.544	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	148658	20.235	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12637	19.615	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060419.D
Acq On : 3 Oct 2018 17:23
Operator : VA/AP
Sample : VF1003SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Manual Integrations
APPROVED

apatel
10/4/2018 2:05:13 PM

Quant Time: Oct 04 05:43:19 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)
93) 1,2,4-Trichlorobenzene	14.25	180	116096	21.142	ug/l	97
94) Hexachlorobutadiene	14.24	225	78841	20.572	ug/l	92
95) Naphthalene	14.51	128	182675	18.606	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	107615	20.907	ug/l	98

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

