

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060415.D
 Acq On : 2 Oct 2018 21:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 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	5.02	168	354079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	563649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	511120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	251787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	223066	40.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.52%	
35) Dibromofluoromethane	4.27	113	260918	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	7.69	98	653807	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.50	95	271095	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	301445	38.288	ug/l	96
3) Chloromethane	1.13	50	217350	45.205	ug/l	94
4) Vinyl Chloride	1.17	62	231281	46.241	ug/l	99
5) Bromomethane	1.36	94	158983	41.037	ug/l	100
6) Chloroethane	1.42	64	117485	47.070	ug/l	98
7) Trichlorofluoromethane	1.54	101	441964	38.086	ug/l	96
8) Diethyl Ether	1.70	74	71077	44.693	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	228164	41.047	ug/l	93
10) Methyl Iodide	1.96	142	385040	45.423	ug/l	88
11) Tert butyl alcohol	2.67	59	70551	210.518	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	197411	45.964	ug/l	92
13) Acrolein	2.08	56	53275	197.670	ug/l	85
14) Allyl chloride	2.18	41	329133	47.826	ug/l	83
15) Acrylonitrile	3.06	53	138528	241.235	ug/l #	91
16) Acetone	2.33	43	214167	181.135	ug/l #	88
17) Carbon Disulfide	1.88	76	582440	44.784	ug/l	97
18) Methyl Acetate	2.44	43	107330	51.601	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	477755	45.670	ug/l	95
20) Methylene Chloride	2.31	84	202047m	49.960	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	201650	47.011	ug/l	89
22) Diisopropyl ether	2.91	45	576830	46.178	ug/l #	92
23) Vinyl Acetate	3.31	43	1173698	236.534	ug/l	96
24) 1,1-Dichloroethane	2.98	63	372835	44.136	ug/l	98
25) 2-Butanone	4.49	43	369281	257.406	ug/l #	92
26) 2,2-Dichloropropane	3.74	77	197751	41.333	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	246579	51.414	ug/l	90
28) Bromochloromethane	3.87	49	165938	53.300	ug/l	96
29) Tetrahydrofuran	4.23	42	154287	286.156	ug/l	98
30) Chloroform	4.01	83	480307	46.080	ug/l	96
31) Cyclohexane	3.85	56	332651	54.841	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	387143	44.634	ug/l	97
36) 1,1-Dichloropropene	4.44	75	365884	52.650	ug/l	96
37) Ethyl Acetate	4.26	43	142993	53.733	ug/l	88
38) Carbon Tetrachloride	4.14	117	377843m	44.668	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060415.D
 Acq On : 2 Oct 2018 21:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 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	5.60	83	352895	51.799	ug/l	92
40) Benzene	4.78	78	749508	54.329	ug/l	98
41) Methacrylonitrile	4.90	41	69972	49.590	ug/l	92
42) 1,2-Dichloroethane	5.10	62	272316	41.375	ug/l	94
43) Isopropyl Acetate	7.09	43	179934	55.950	ug/l	100
44) Trichloroethene	5.65	130	220626	49.841	ug/l	96
45) 1,2-Dichloropropane	6.38	63	196264	53.420	ug/l	93
46) Dibromomethane	6.23	93	142127	48.115	ug/l	94
47) Bromodichloromethane	6.53	83	325432	44.484	ug/l	98
48) Methyl methacrylate	6.85	41	110278	47.770	ug/l	94
49) 1,4-Dioxane	6.84	88	22138	1112.201	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	607143	265.212	ug/l	98
52) Toluene	7.76	92	485306	51.791	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	257601	44.931	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	333164	49.721	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	146068	49.179	ug/l	91
56) Ethyl methacrylate	8.75	69	191881	56.853	ug/l #	91
57) 1,3-Dichloropropane	8.98	76	251660	50.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	77901	225.966	ug/l	100
59) 2-Hexanone	9.61	43	425956	253.673	ug/l	93
60) Dibromochloromethane	8.84	129	210065	46.973	ug/l	97
61) 1,2-Dibromoethane	9.12	107	162994	50.152	ug/l	99
64) Tetrachloroethene	8.28	164	205423	50.558	ug/l	97
65) Chlorobenzene	9.93	112	521625	49.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	214893	46.875	ug/l	97
67) Ethyl Benzene	10.03	91	972493	48.714	ug/l	97
68) m/p-Xylenes	10.25	106	674865	98.338	ug/l	86
69) o-Xylene	10.82	106	355568	47.533	ug/l	92
70) Styrene	10.88	104	514821	48.384	ug/l	97
71) Bromoform	10.87	173	114619	46.960	ug/l	92
73) Isopropylbenzene	11.22	105	1004698	50.678	ug/l	98
74) N-amyl acetate	11.45	43	266252	58.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	187473	51.868	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	125336	47.103	ug/l	98
77) Bromobenzene	11.58	156	225556	50.897	ug/l	94
78) n-propylbenzene	11.67	91	1192454	49.616	ug/l	98
79) 2-Chlorotoluene	11.80	91	682795	48.567	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	813442	48.294	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	64482m	54.668	ug/l	
82) 4-Chlorotoluene	11.98	91	707901	49.212	ug/l	99
83) tert-Butylbenzene	12.21	119	821646	49.457	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	832395	49.831	ug/l	98
85) sec-Butylbenzene	12.38	105	1132544	49.388	ug/l	97
86) p-Isopropyltoluene	12.53	119	903564	48.230	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	406789	48.780	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	385713	46.907	ug/l	97
89) n-Butylbenzene	12.91	91	934969	47.163	ug/l	97
90) Hexachloroethane	12.98	117	229810	47.461	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	386141	48.327	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	33169	47.337	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100218\
Data File : VF060415.D
Acq On : 2 Oct 2018 21:42
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 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	14.26	180	276760	46.342	ug/l	93
94) Hexachlorobutadiene	14.25	225	183824	44.102	ug/l	97
95) Naphthalene	14.51	128	541082	50.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	267128	47.716	ug/l	95

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

