

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059700.D
 Acq On : 31 Jul 2018 10:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/1/2018 2:08:11 PM

Quant Time: Jul 31 16:43:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	214915	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	303847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	296864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	175091	45.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.66%	
35) Dibromofluoromethane	4.29	113	149148	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
50) Toluene-d8	7.71	98	348345	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	11.51	95	190219	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	112769	46.235	ug/l	93
3) Chloromethane	1.08	50	62503	50.091	ug/l	97
4) Vinyl Chloride	1.16	62	64534	48.300	ug/l	97
5) Bromomethane	1.34	94	49025	44.336	ug/l	98
6) Chloroethane	1.42	64	38019	46.609	ug/l	91
7) Trichlorofluoromethane	1.54	101	190786m	47.536	ug/l	
8) Diethyl Ether	1.70	74	28370	41.340	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	100172	47.655	ug/l	96
10) Methyl Iodide	1.96	142	153853	52.120	ug/l	96
11) Tert butyl alcohol	2.66	59	35451	227.503	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	79096	47.524	ug/l	86
13) Acrolein	2.09	56	22280	271.643	ug/l	100
14) Allyl chloride	2.19	41	125133	47.090	ug/l	92
15) Acrylonitrile	3.06	53	62040	248.596	ug/l	90
16) Acetone	2.33	43	199456	287.093	ug/l	97
17) Carbon Disulfide	1.84	76	164656m	48.169	ug/l	
18) Methyl Acetate	2.44	43	55053m	51.168	ug/l	
19) Methyl tert-butyl Ether	2.53	73	224296	44.192	ug/l	100
20) Methylene Chloride	2.28	84	74481	49.026	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	72458	49.717	ug/l	94
22) Diisopropyl ether	2.92	45	265832	47.306	ug/l	96
23) Vinyl Acetate	3.33	43	705140	244.070	ug/l	100
24) 1,1-Dichloroethane	2.99	63	178652	45.760	ug/l #	97
25) 2-Butanone	4.50	43	182730	235.680	ug/l #	79
26) 2,2-Dichloropropane	3.76	77	134876	48.463	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	96633	46.222	ug/l	93
28) Bromochloromethane	3.88	49	70017	51.639	ug/l	95
29) Tetrahydrofuran	4.25	42	69766	234.119	ug/l	99
30) Chloroform	4.03	83	240618	43.669	ug/l	90
31) Cyclohexane	3.87	56	94147	49.734	ug/l #	96
32) 1,1,1-Trichloroethane	4.28	97	190409	44.550	ug/l	97
36) 1,1-Dichloropropene	4.45	75	151406	49.155	ug/l	99
37) Ethyl Acetate	4.29	43	71598	46.934	ug/l #	51
38) Carbon Tetrachloride	4.17	117	227398	47.071	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059700.D
 Acq On : 31 Jul 2018 10:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/1/2018 2:08:11 PM

Quant Time: Jul 31 16:43:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	116714	49.742	ug/l	95
40) Benzene	4.81	78	277480	45.221	ug/l	95
41) Methacrylonitrile	4.92	41	36372	47.406	ug/l	96
42) 1,2-Dichloroethane	5.11	62	191717	44.644	ug/l	98
43) Isopropyl Acetate	7.11	43	80811	44.478	ug/l	91
44) Trichloroethene	5.68	130	102475	49.768	ug/l	90
45) 1,2-Dichloropropane	6.41	63	76641	47.296	ug/l	99
46) Dibromomethane	6.25	93	69843	45.397	ug/l	90
47) Bromodichloromethane	6.54	83	195039	46.553	ug/l	96
48) Methyl methacrylate	6.87	41	63231	46.269	ug/l	95
49) 1,4-Dioxane	6.86	88	9560	1083.455	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	329296	238.260	ug/l	97
52) Toluene	7.78	92	193894	47.323	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	158249	43.531	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	165459	46.989	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77223	46.468	ug/l	96
56) Ethyl methacrylate	8.76	69	87140	50.280	ug/l	97
57) 1,3-Dichloropropane	9.00	76	129656	45.478	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	42418	211.982	ug/l	100
59) 2-Hexanone	9.63	43	273225	246.695	ug/l	98
60) Dibromochloromethane	8.86	129	139971	47.732	ug/l	98
61) 1,2-Dibromoethane	9.14	107	92330	47.579	ug/l	95
64) Tetrachloroethene	8.31	164	100677	50.261	ug/l	99
65) Chlorobenzene	9.94	112	270873	45.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	130254	46.981	ug/l	97
67) Ethyl Benzene	10.04	91	493812	48.061	ug/l	100
68) m/p-Xylenes	10.27	106	335690	105.043	ug/l	97
69) o-Xylene	10.83	106	188686	49.839	ug/l	93
70) Styrene	10.90	104	269025	46.907	ug/l	98
71) Bromoform	10.89	173	85190	47.155	ug/l #	100
73) Isopropylbenzene	11.23	105	587952	48.734	ug/l	99
74) N-amyl acetate	11.46	43	145253	47.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	114850	50.572	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	87710	45.419	ug/l	95
77) Bromobenzene	11.59	156	144696	45.929	ug/l	98
78) n-propylbenzene	11.69	91	663564	54.066	ug/l	98
79) 2-Chlorotoluene	11.82	91	404459	52.157	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	510084	53.526	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	38823m	48.544	ug/l	
82) 4-Chlorotoluene	11.98	91	451281	54.655	ug/l	99
83) tert-Butylbenzene	12.21	119	555225	51.266	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	534023	55.491	ug/l	95
85) sec-Butylbenzene	12.39	105	653903	53.431	ug/l	99
86) p-Isopropyltoluene	12.54	119	600314	56.619	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	283061	55.475	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	274457	52.914	ug/l	98
89) n-Butylbenzene	12.92	91	576656	57.404	ug/l	99
90) Hexachloroethane	12.99	117	148525	48.809	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	270709	54.150	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27737	49.961	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059700.D
Acq On : 31 Jul 2018 10:32
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 81 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
8/1/2018 2:08:11 PM

Quant Time: Jul 31 16:43:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 05:19:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214557	53.950	ug/l	97
94) Hexachlorobutadiene	14.25	225	146724	48.650	ug/l	96
95) Naphthalene	14.52	128	390031	49.200	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	214977	49.062	ug/l	96

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

