

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062857.D
 Acq On : 4 Jun 2019 23:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:49:01 AM

Quant Time: Jun 05 06:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	791807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1408079	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	1146330	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	561470	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	285975	52.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	4.32	113	532673	50.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	7.71	98	1372573	51.01	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.49	95	522369	53.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	430802	47.904	ug/l	97
3) Chloromethane	1.14	50	378696	46.223	ug/l	97
4) Vinyl Chloride	1.19	62	378682	46.512	ug/l	97
5) Bromomethane	1.40	94	240742	51.849	ug/l	95
6) Chloroethane	1.44	64	152813	50.201	ug/l	90
7) Trichlorofluoromethane	1.56	101	618020	53.621	ug/l	96
8) Diethyl Ether	1.72	74	122751	54.132	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	377674	52.120	ug/l	94
10) Methyl Iodide	1.98	142	771721	53.115	ug/l	97
11) Tert butyl alcohol	2.69	59	93993	283.372	ug/l	95
12) 1,1-Dichloroethene	1.87	96	342827	52.102	ug/l	91
13) Acrolein	2.10	56	35114	265.500	ug/l	99
14) Allyl chloride	2.20	41	314970m	61.702	ug/l	
15) Acrylonitrile	3.10	53	261244	209.604	ug/l	# 95
16) Acetone	2.35	43	295580	235.861	ug/l	94
17) Carbon Disulfide	1.91	76	953706	49.591	ug/l	99
18) Methyl Acetate	2.46	43	112177	51.224	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	660487	55.405	ug/l	98
20) Methylene Chloride	2.34	84	372781m	60.000	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	360611	54.659	ug/l	97
22) Diisopropyl ether	2.94	45	715116	49.308	ug/l	97
23) Vinyl Acetate	3.35	43	2641465	266.041	ug/l	99
24) 1,1-Dichloroethane	3.02	63	570490	52.684	ug/l	98
25) 2-Butanone	4.52	43	710975	243.617	ug/l	99
26) 2,2-Dichloropropane	3.79	77	343935	55.939	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	608472	54.867	ug/l	99
28) Bromochloromethane	3.90	49	333269	56.581	ug/l	95
29) Tetrahydrofuran	4.27	42	321427	287.963	ug/l	98
30) Chloroform	4.05	83	795574	52.130	ug/l	97
31) Cyclohexane	3.88	56	721364	49.205	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	539060	60.667	ug/l	96
36) 1,1-Dichloropropene	4.48	75	625881	48.283	ug/l	99
37) Ethyl Acetate	4.31	43	263992	53.276	ug/l	92
38) Carbon Tetrachloride	4.19	117	481378	54.948	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062857.D
 Acq On : 4 Jun 2019 23:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:49:01 AM

Quant Time: Jun 05 06:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	807223	50.035	ug/l	97
40) Benzene	4.83	78	1846446	48.943	ug/l	99
41) Methacrylonitrile	4.94	41	138586	50.309	ug/l	96
42) 1,2-Dichloroethane	5.14	62	367870	51.270	ug/l	98
43) Isopropyl Acetate	7.12	43	334202	51.056	ug/l	93
44) Trichloroethene	5.69	130	528096	49.600	ug/l	95
45) 1,2-Dichloropropane	6.41	63	485590	51.292	ug/l	97
46) Dibromomethane	6.26	93	290055	52.476	ug/l	91
47) Bromodichloromethane	6.56	83	566742	50.346	ug/l	99
48) Methyl methacrylate	6.88	41	181413	53.776	ug/l	94
49) 1,4-Dioxane	6.87	88	49087	1103.914	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1271901	272.162	ug/l	99
52) Toluene	7.79	92	1031286	50.753	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	494043	52.964	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	680918	50.429	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	331075	54.539	ug/l	98
56) Ethyl methacrylate	8.76	69	360814	55.395	ug/l	98
57) 1,3-Dichloropropane	9.00	76	550872	55.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	643232	282.568	ug/l	97
59) 2-Hexanone	9.62	43	871420	261.610	ug/l	99
60) Dibromochloromethane	8.86	129	421130	56.034	ug/l	100
61) 1,2-Dibromoethane	9.14	107	351166	55.700	ug/l	97
64) Tetrachloroethene	8.31	164	458131	52.008	ug/l	99
65) Chlorobenzene	9.94	112	1110580	50.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	439795	49.884	ug/l	100
67) Ethyl Benzene	10.04	91	1879482	49.475	ug/l	98
68) m/p-Xylenes	10.26	106	1407568	96.827	ug/l	99
69) o-Xylene	10.81	106	773456	52.551	ug/l	98
70) Styrene	10.89	104	1124171	51.820	ug/l	100
71) Bromoform	10.88	173	234646	55.480	ug/l	98
73) Isopropylbenzene	11.22	105	2029127	51.794	ug/l	99
74) N-amyl acetate	11.44	43	550464	49.853	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	434899	51.982	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	284142	51.236	ug/l	90
77) Bromobenzene	11.58	156	495067	50.293	ug/l	95
78) n-propylbenzene	11.67	91	2280167	48.203	ug/l	97
79) 2-Chlorotoluene	11.80	91	1299327	48.004	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1543319	48.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	127244m	54.195	ug/l	
82) 4-Chlorotoluene	11.97	91	1326081	49.853	ug/l	96
83) tert-Butylbenzene	12.19	119	1542553	48.590	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1488313	48.995	ug/l	99
85) sec-Butylbenzene	12.37	105	2064726	49.358	ug/l	99
86) p-Isopropyltoluene	12.52	119	1668126	47.908	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	842520	48.532	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	806002	49.749	ug/l	97
89) n-Butylbenzene	12.89	91	1622465	46.323	ug/l	96
90) Hexachloroethane	12.97	117	427124	50.296	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	772215	50.608	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.68	75	51560	56.567	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
Data File : VF062857.D
Acq On : 4 Jun 2019 23:46
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:49:01 AM

Quant Time: Jun 05 06:56:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	495168	47.263	ug/l	96
94) Hexachlorobutadiene	14.22	225	332919	45.933	ug/l	98
95) Naphthalene	14.49	128	885810	51.608	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	475889	49.761	ug/l	97

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

