

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062801.D
 Acq On : 31 May 2019 10:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:20 AM

Quant Time: Jun 01 01:05:12 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	921212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1470430	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1151869	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	538536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	314067	49.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.60%	
35) Dibromofluoromethane	4.32	113	568039	51.12	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.24%	
50) Toluene-d8	7.72	98	1509489	53.72	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	11.51	95	525871	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	503901	48.187	ug/l	98
3) Chloromethane	1.15	50	469973	49.306	ug/l	99
4) Vinyl Chloride	1.19	62	439404	46.389	ug/l	98
5) Bromomethane	1.40	94	274840	50.878	ug/l	83
6) Chloroethane	1.45	64	187112	52.834	ug/l #	84
7) Trichlorofluoromethane	1.56	101	662787	49.427	ug/l	98
8) Diethyl Ether	1.72	74	129194	48.970	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.93	101	386312	45.823	ug/l	99
10) Methyl Iodide	1.99	142	805958m	47.679	ug/l	
11) Tert butyl alcohol	2.70	59	94759	245.551	ug/l	96
12) 1,1-Dichloroethene	1.89	96	365535	47.749	ug/l	90
13) Acrolein	2.10	56	39524	256.590	ug/l	97
14) Allyl chloride	2.20	41	290417	48.900	ug/l	95
15) Acrylonitrile	3.09	53	260610	179.723	ug/l	97
16) Acetone	2.35	43	416525	285.682	ug/l	98
17) Carbon Disulfide	1.93	76	1115992m	49.878	ug/l	
18) Methyl Acetate	2.47	43	116329	45.658	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	655876	47.289	ug/l	96
20) Methylene Chloride	2.35	84	363084m	49.713	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	382885	49.883	ug/l	97
22) Diisopropyl ether	2.94	45	796606	47.212	ug/l	98
23) Vinyl Acetate	3.35	43	2744010	237.547	ug/l	99
24) 1,1-Dichloroethane	3.02	63	611925	48.572	ug/l	99
25) 2-Butanone	4.54	43	821299	241.888	ug/l	95
26) 2,2-Dichloropropane	3.79	77	371549	51.941	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	629088	48.758	ug/l	97
28) Bromochloromethane	3.92	49	328240	47.899	ug/l	98
29) Tetrahydrofuran	4.28	42	304061	234.140	ug/l	97
30) Chloroform	4.06	83	874190	49.235	ug/l	97
31) Cyclohexane	3.89	56	824044m	48.314	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	568101	54.954	ug/l	97
36) 1,1-Dichloropropene	4.49	75	697132	51.500	ug/l	97
37) Ethyl Acetate	4.31	43	276764	53.485	ug/l	87
38) Carbon Tetrachloride	4.20	117	495871	54.202	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062801.D
 Acq On : 31 May 2019 10:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:20 AM

Quant Time: Jun 01 01:05:12 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	5.65	83	892927	53.000	ug/l	95
40) Benzene	4.83	78	1951809	49.543	ug/l	100
41) Methacrylonitrile	4.95	41	143177	49.772	ug/l	95
42) 1,2-Dichloroethane	5.14	62	389306	51.956	ug/l	98
43) Isopropyl Acetate	7.13	43	346977	50.760	ug/l #	99
44) Trichloroethene	5.70	130	551437	49.596	ug/l	99
45) 1,2-Dichloropropane	6.42	63	522045	52.804	ug/l	100
46) Dibromomethane	6.27	93	294774	51.069	ug/l	92
47) Bromodichloromethane	6.57	83	616304	52.428	ug/l	96
48) Methyl methacrylate	6.89	41	189663	53.838	ug/l	94
49) 1,4-Dioxane	6.88	88	48976	1054.714	ug/l #	93
51) 4-Methyl-2-Pentanone	8.41	43	1308208	268.061	ug/l	100
52) Toluene	7.79	92	1177250	55.480	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	551810	56.648	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	691017	49.007	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	348544	54.982	ug/l	98
56) Ethyl methacrylate	8.77	69	398347	58.564	ug/l	96
57) 1,3-Dichloropropane	9.01	76	575833	55.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	579731	243.874	ug/l	98
59) 2-Hexanone	9.63	43	898225	258.222	ug/l	97
60) Dibromochloromethane	8.87	129	450930	57.455	ug/l	100
61) 1,2-Dibromoethane	9.14	107	363718	55.245	ug/l	97
64) Tetrachloroethene	8.32	164	462185	52.216	ug/l	92
65) Chlorobenzene	9.95	112	1110899	49.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	433052	48.883	ug/l	97
67) Ethyl Benzene	10.05	91	1943165	50.905	ug/l	100
68) m/p-Xylenes	10.27	106	1542131	105.574	ug/l	99
69) o-Xylene	10.83	106	752435	50.877	ug/l	99
70) Styrene	10.91	104	1144810	52.518	ug/l	98
71) Bromoform	10.89	173	226742	53.353	ug/l #	97
73) Isopropylbenzene	11.22	105	1942640	51.698	ug/l	97
74) N-amyl acetate	11.46	43	543616	51.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	410897	51.205	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	262878	49.421	ug/l	99
77) Bromobenzene	11.59	156	493676	52.288	ug/l	85
78) n-propylbenzene	11.68	91	2368279	52.198	ug/l	100
79) 2-Chlorotoluene	11.80	91	1354022	52.155	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1584857	51.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	127597m	56.660	ug/l	
82) 4-Chlorotoluene	11.98	91	1356220	53.157	ug/l	99
83) tert-Butylbenzene	12.21	119	1617299	53.114	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1556197	53.411	ug/l	99
85) sec-Butylbenzene	12.37	105	2135545	53.225	ug/l	99
86) p-Isopropyltoluene	12.52	119	1754041	52.521	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	853980	51.287	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	790214	50.852	ug/l	98
89) n-Butylbenzene	12.91	91	1773052	52.778	ug/l	99
90) Hexachloroethane	12.99	117	443638	54.465	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	788315	53.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44965	51.432	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
Data File : VF062801.D
Acq On : 31 May 2019 10:49
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:20 AM

Quant Time: Jun 01 01:05:12 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	14.25	180	500524	49.809	ug/l	98
94) Hexachlorobutadiene	14.24	225	367318	52.837	ug/l	98
95) Naphthalene	14.50	128	881372	53.536	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	473414	51.610	ug/l	98

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

