

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062859.D
 Acq On : 5 Jun 2019 10:59
 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
 6/6/2019 11:50:57 AM

Quant Time: Jun 06 08:07:41 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	869061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1462760	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1195501	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	576103	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	286572	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	4.33	113	535942	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	7.72	98	1354153	48.45	ug/l	-0.02
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.50	95	491310	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	473645	47.995	ug/l	94
3) Chloromethane	1.14	50	442582	49.218	ug/l	91
4) Vinyl Chloride	1.19	62	432589	48.410	ug/l	98
5) Bromomethane	1.39	94	272626	53.497	ug/l	97
6) Chloroethane	1.46	64	180501	54.026	ug/l	92
7) Trichlorofluoromethane	1.56	101	661905	52.323	ug/l	96
8) Diethyl Ether	1.72	74	123790	49.738	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	411316	51.716	ug/l	95
10) Methyl Iodide	2.00	142	838672m	52.592	ug/l	
11) Tert butyl alcohol	2.71	59	96260	264.409	ug/l	96
12) 1,1-Dichloroethene	1.88	96	367975	50.952	ug/l	94
13) Acrolein	2.11	56	33469	229.454	ug/l	92
14) Allyl chloride	2.21	41	329371m	58.787	ug/l	
15) Acrylonitrile	3.10	53	391169	285.948	ug/l	99
16) Acetone	2.36	43	388724	282.613	ug/l	95
17) Carbon Disulfide	1.91	76	1079377	51.136	ug/l	99
18) Methyl Acetate	2.47	43	111848	46.533	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	694105	53.049	ug/l	97
20) Methylene Chloride	2.30	84	375818m	54.853	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	372867	51.493	ug/l	97
22) Diisopropyl ether	2.95	45	791488	49.723	ug/l	96
23) Vinyl Acetate	3.36	43	2651422	243.305	ug/l	98
24) 1,1-Dichloroethane	3.03	63	611667	51.466	ug/l	99
25) 2-Butanone	4.53	43	761123	237.617	ug/l	97
26) 2,2-Dichloropropane	3.80	77	373598	55.362	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	654154	53.743	ug/l	97
28) Bromochloromethane	3.91	49	305195	47.209	ug/l	92
29) Tetrahydrofuran	4.28	42	297431	242.778	ug/l	97
30) Chloroform	4.06	83	853060	50.928	ug/l	99
31) Cyclohexane	3.89	56	806363	50.114	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	558539	57.271	ug/l	95
36) 1,1-Dichloropropene	4.49	75	673294	49.999	ug/l	98
37) Ethyl Acetate	4.32	43	257172	49.960	ug/l #	81
38) Carbon Tetrachloride	4.20	117	480135	52.757	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062859.D
 Acq On : 5 Jun 2019 10:59
 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
 6/6/2019 11:50:57 AM

Quant Time: Jun 06 08:07:41 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	843738	50.343	ug/l	96
40) Benzene	4.84	78	1915984	48.888	ug/l	98
41) Methacrylonitrile	4.95	41	138555	48.418	ug/l	94
42) 1,2-Dichloroethane	5.15	62	388994	52.187	ug/l	96
43) Isopropyl Acetate	7.13	43	336679	49.511	ug/l	97
44) Trichloroethene	5.70	130	552227	49.927	ug/l	99
45) 1,2-Dichloropropane	6.42	63	478891	48.693	ug/l	94
46) Dibromomethane	6.27	93	293915	51.187	ug/l	94
47) Bromodichloromethane	6.57	83	586826	50.182	ug/l	97
48) Methyl methacrylate	6.89	41	168317	48.029	ug/l	96
49) 1,4-Dioxane	6.88	88	42549	921.111	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	1283711	264.421	ug/l	99
52) Toluene	7.79	92	1084800	51.391	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	487368	50.295	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	691219	49.279	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	302967	48.043	ug/l	98
56) Ethyl methacrylate	8.76	69	355385	52.522	ug/l	99
57) 1,3-Dichloropropane	9.01	76	534847	51.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	553437	234.033	ug/l	99
59) 2-Hexanone	9.63	43	980294	283.293	ug/l	94
60) Dibromochloromethane	8.87	129	409726	52.479	ug/l	100
61) 1,2-Dibromoethane	9.14	107	334167	51.023	ug/l	99
64) Tetrachloroethene	8.32	164	396454	43.155	ug/l	98
65) Chlorobenzene	9.95	112	1161874	50.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466815	50.771	ug/l	97
67) Ethyl Benzene	10.04	91	1971392	49.760	ug/l	100
68) m/p-Xylenes	10.27	106	1465176	96.644	ug/l	100
69) o-Xylene	10.82	106	821443	53.516	ug/l	96
70) Styrene	10.89	104	1181582	52.227	ug/l	98
71) Bromoform	10.88	173	242666	55.016	ug/l #	95
73) Isopropylbenzene	11.22	105	2013346	50.086	ug/l	100
74) N-amyl acetate	11.45	43	543434	47.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	429551	50.039	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	266644	46.860	ug/l	89
77) Bromobenzene	11.58	156	489717	48.486	ug/l	82
78) n-propylbenzene	11.67	91	2335078	48.110	ug/l	94
79) 2-Chlorotoluene	11.80	91	1346008	48.466	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1585914	48.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	125069m	51.916	ug/l	
82) 4-Chlorotoluene	11.98	91	1347900	49.386	ug/l	98
83) tert-Butylbenzene	12.20	119	1624899	49.884	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	1570498	50.387	ug/l	99
85) sec-Butylbenzene	12.37	105	2229997	51.955	ug/l	99
86) p-Isopropyltoluene	12.52	119	1837129	51.422	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	895918	50.297	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	832871	50.102	ug/l	96
89) n-Butylbenzene	12.90	91	1800455	50.099	ug/l	99
90) Hexachloroethane	12.97	117	464134	53.266	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	811042	51.802	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	48063	51.391	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
Data File : VF062859.D
Acq On : 5 Jun 2019 10:59
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
6/6/2019 11:50:57 AM

Quant Time: Jun 06 08:07:41 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	14.24	180	556879	51.803	ug/l	96
94) Hexachlorobutadiene	14.23	225	379164	50.985	ug/l	98
95) Naphthalene	14.50	128	883287	50.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	482956	49.217	ug/l	98

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

