

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061843.D
 Acq On : 5 Mar 2019 13:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:09 AM

Quant Time: Mar 06 05:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	311668	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	469488	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	394204	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	205682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	114252	50.34	ug/l	-0.01
Spiked Amount 50.000			Recovery =	100.68%		
35) Dibromofluoromethane	4.11	113	170193	51.94	ug/l	-0.01
Spiked Amount 50.000			Recovery =	103.88%		
50) Toluene-d8	7.55	98	496503	50.98	ug/l	-0.01
Spiked Amount 50.000			Recovery =	101.96%		
62) 4-Bromofluorobenzene	11.41	95	186108	48.79	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.58%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	188609	49.292	ug/l	91
3) Chloromethane	1.10	50	184244	49.684	ug/l	90
4) Vinyl Chloride	1.14	62	179119	50.882	ug/l	100
5) Bromomethane	1.31	94	129854	54.126	ug/l	96
6) Chloroethane	1.40	64	86167	51.494	ug/l	96
7) Trichlorofluoromethane	1.48	101	232826m	54.153	ug/l	
8) Diethyl Ether	1.63	74	49615	50.747	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	152557	52.251	ug/l	97
10) Methyl Iodide	1.92	142	292035m	52.561	ug/l	
11) Tert butyl alcohol	2.57	59	29663	230.255	ug/l #	83
12) 1,1-Dichloroethene	1.80	96	116503	43.707	ug/l	92
13) Acrolein	2.00	56	46136	282.630	ug/l	89
14) Allyl chloride	2.10	41	150553	51.269	ug/l	99
15) Acrylonitrile	2.94	53	93492	227.908	ug/l	97
16) Acetone	2.23	43	129249	271.852	ug/l	97
17) Carbon Disulfide	1.81	76	440004m	53.031	ug/l	
18) Methyl Acetate	2.34	43	50403	54.962	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	228172	50.602	ug/l	98
20) Methylene Chloride	2.18	84	134321m	50.964	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	120058	47.857	ug/l	89
22) Diisopropyl ether	2.80	45	401339	52.541	ug/l	98
23) Vinyl Acetate	3.18	43	863965	253.182	ug/l	100
24) 1,1-Dichloroethane	2.87	63	227635	49.858	ug/l	98
25) 2-Butanone	4.34	43	235344	243.354	ug/l	98
26) 2,2-Dichloropropane	3.60	77	104423	51.234	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	189184	54.432	ug/l	99
28) Bromochloromethane	3.71	49	95623	48.047	ug/l #	97
29) Tetrahydrofuran	4.07	42	98533	236.248	ug/l	100
30) Chloroform	3.85	83	272679	52.287	ug/l	96
31) Cyclohexane	3.68	56	243167m	50.849	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	155615	48.411	ug/l	96
36) 1,1-Dichloropropene	4.28	75	226995	51.184	ug/l	98
37) Ethyl Acetate	4.11	43	87473	46.992	ug/l #	97
38) Carbon Tetrachloride	3.98	117	156215	49.759	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061843.D
 Acq On : 5 Mar 2019 13:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:09 AM

Quant Time: Mar 06 05:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	277002	52.881	ug/l	98
40) Benzene	4.63	78	595518	51.372	ug/l	99
41) Methacrylonitrile	4.74	41	46500	45.594	ug/l	95
42) 1,2-Dichloroethane	4.94	62	145389	50.327	ug/l	97
43) Isopropyl Acetate	6.96	43	107473	46.838	ug/l #	98
44) Trichloroethene	5.50	130	184583	51.238	ug/l	97
45) 1,2-Dichloropropane	6.23	63	143179	51.942	ug/l	99
46) Dibromomethane	6.08	93	86351	49.774	ug/l	96
47) Bromodichloromethane	6.38	83	193056	50.370	ug/l	99
48) Methyl methacrylate	6.71	41	67528	46.502	ug/l	92
49) 1,4-Dioxane	6.71	88	13037	982.078	ug/l #	82
51) 4-Methyl-2-Pentanone	8.25	43	375364	236.696	ug/l	97
52) Toluene	7.62	92	352152	51.352	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	157253	49.705	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	215643	49.416	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	92709	46.921	ug/l	94
56) Ethyl methacrylate	8.61	69	104255	46.819	ug/l	97
57) 1,3-Dichloropropane	8.85	76	159363	49.319	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	78854	223.854	ug/l	97
59) 2-Hexanone	9.48	43	269763	235.796	ug/l	98
60) Dibromochloromethane	8.71	129	147172	52.261	ug/l	94
61) 1,2-Dibromoethane	8.98	107	108248	49.820	ug/l	92
64) Tetrachloroethene	8.15	164	156272	51.591	ug/l	95
65) Chlorobenzene	9.80	112	400586	52.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	159374	54.314	ug/l	97
67) Ethyl Benzene	9.90	91	678658	54.064	ug/l	99
68) m/p-Xylenes	10.12	106	516338	107.373	ug/l	100
69) o-Xylene	10.71	106	270846	52.305	ug/l	99
70) Styrene	10.78	104	383364	52.606	ug/l	98
71) Bromoform	10.77	173	76460	49.303	ug/l	98
73) Isopropylbenzene	11.12	105	775964	54.799	ug/l	99
74) N-amyl acetate	11.37	43	168636	51.731	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	120459	51.184	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	81808	50.931	ug/l	93
77) Bromobenzene	11.49	156	179842	52.773	ug/l	91
78) n-propylbenzene	11.59	91	830197	51.917	ug/l	95
79) 2-Chlorotoluene	11.72	91	490431	53.645	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	602164	52.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	40875m	55.651	ug/l	
82) 4-Chlorotoluene	11.90	91	492472	52.665	ug/l	94
83) tert-Butylbenzene	12.13	119	660659	54.727	ug/l	91
84) 1,2,4-Trimethylbenzene	12.20	105	602439	54.055	ug/l	99
85) sec-Butylbenzene	12.30	105	850762	54.156	ug/l	96
86) p-Isopropyltoluene	12.46	119	738105	55.274	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	337288	52.124	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	329097	52.723	ug/l	97
89) n-Butylbenzene	12.85	91	679123	53.216	ug/l	98
90) Hexachloroethane	12.91	117	177397	55.192	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	324431	52.918	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18780	46.258	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
Data File : VF061843.D
Acq On : 5 Mar 2019 13:49
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:09 AM

Quant Time: Mar 06 05:54:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	230368	53.598	ug/l	96
94) Hexachlorobutadiene	14.19	225	152525	51.261	ug/l	98
95) Naphthalene	14.45	128	388298	50.723	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	217076	54.700	ug/l	97

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

