

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062312.D
 Acq On : 26 Apr 2019 19:17
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 3:59:56 PM

Quant Time: Apr 27 01:21:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	355136	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.81	114	510329	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	367249	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	203030	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	154362	53.66	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	4.34	113	184205	48.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	7.75	98	430808	46.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.22%	
62) 4-Bromofluorobenzene	11.52	95	171740	45.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	224717	53.246	ug/l	96
3) Chloromethane	1.15	50	168261	47.326	ug/l	92
4) Vinyl Chloride	1.20	62	165051	49.017	ug/l	98
5) Bromomethane	1.41	94	128260	56.089	ug/l	91
6) Chloroethane	1.46	64	83931	56.860	ug/l	97
7) Trichlorofluoromethane	1.57	101	332923	62.221	ug/l	91
8) Diethyl Ether	1.73	74	52678	54.344	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.93	101	194270	57.855	ug/l	98
10) Methyl Iodide	2.01	142	328021	55.886	ug/l	95
11) Tert butyl alcohol	2.73	59	51957	298.583	ug/l	100
12) 1,1-Dichloroethene	1.89	96	166125	55.447	ug/l	91
13) Acrolein	2.12	56	43985	268.961	ug/l	98
14) Allyl chloride	2.22	41	183068	56.144	ug/l #	61
15) Acrylonitrile	3.11	53	133057	276.076	ug/l	93
16) Acetone	2.37	43	192163	298.357	ug/l	97
17) Carbon Disulfide	1.93	76	411562	52.194	ug/l	99
18) Methyl Acetate	2.49	43	69701	58.720	ug/l	97
19) Methyl tert-butyl Ether	2.58	73	333148	58.326	ug/l	97
20) Methylene Chloride	2.36	84	154362m	56.857	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	160550	54.223	ug/l	93
22) Diisopropyl ether	2.96	45	474563	54.063	ug/l	98
23) Vinyl Acetate	3.38	43	1061894	272.804	ug/l	99
24) 1,1-Dichloroethane	3.04	63	295586	58.998	ug/l	97
25) 2-Butanone	4.56	43	279004	273.199	ug/l	97
26) 2,2-Dichloropropane	3.81	77	148293	56.997	ug/l	97
27) cis-1,2-Dichloroethene	3.68	96	198417	52.917	ug/l	96
28) Bromochloromethane	3.94	49	98603	46.703	ug/l #	98
29) Tetrahydrofuran	4.31	42	117580	262.027	ug/l	98
30) Chloroform	4.09	83	368746	58.613	ug/l	97
31) Cyclohexane	3.92	56	240907	50.533	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	233823	47.339	ug/l #	81
36) 1,1-Dichloropropene	4.51	75	264899	56.263	ug/l	99
37) Ethyl Acetate	4.34	43	105233	53.128	ug/l #	5
38) Carbon Tetrachloride	4.23	117	265316	55.432	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062312.D
 Acq On : 26 Apr 2019 19:17
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 3:59:56 PM

Quant Time: Apr 27 01:21:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.68	83	292925	53.296	ug/l	97
40) Benzene	4.87	78	574915	50.541	ug/l	100
41) Methacrylonitrile	4.98	41	59278	53.870	ug/l	92
42) 1,2-Dichloroethane	5.17	62	221310	61.412	ug/l	98
43) Isopropyl Acetate	7.15	43	103332	50.913	ug/l #	98
44) Trichloroethene	5.72	130	204217	53.062	ug/l	98
45) 1,2-Dichloropropane	6.45	63	138939	54.173	ug/l	100
46) Dibromomethane	6.31	93	107352	57.967	ug/l	99
47) Bromodichloromethane	6.59	83	254820	58.530	ug/l	94
48) Methyl methacrylate	6.92	41	72502	49.961	ug/l	95
49) 1,4-Dioxane	6.91	88	16689	998.733	ug/l	95
51) 4-Methyl-2-Pentanone	8.44	43	398071	255.065	ug/l	98
52) Toluene	7.81	92	328781	50.089	ug/l	98
53) t-1,3-Dichloropropene	8.46	75	168135	52.519	ug/l	97
54) cis-1,3-Dichloropropene	7.50	75	219547	53.532	ug/l	95
55) 1,1,2-Trichloroethane	8.67	97	99659	53.459	ug/l	94
56) Ethyl methacrylate	8.79	69	105634	51.578	ug/l	93
57) 1,3-Dichloropropane	9.04	76	155048	52.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.49	63	128568	206.303	ug/l	100
59) 2-Hexanone	9.66	43	258952	273.138	ug/l	99
60) Dibromochloromethane	8.90	129	170785	56.446	ug/l	97
61) 1,2-Dibromoethane	9.16	107	114849	53.230	ug/l	100
64) Tetrachloroethene	8.35	164	175201	57.036	ug/l	97
65) Chlorobenzene	9.97	112	370806	55.253	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.10	131	181959	57.562	ug/l	98
67) Ethyl Benzene	10.07	91	636774	54.578	ug/l	98
68) m/p-Xylenes	10.30	106	450868	103.796	ug/l	95
69) o-Xylene	10.85	106	257701	53.101	ug/l	100
70) Styrene	10.92	104	358792	51.143	ug/l	99
71) Bromoform	10.91	173	99127	55.710	ug/l #	98
73) Isopropylbenzene	11.24	105	777782	55.913	ug/l	97
74) N-amyl acetate	11.47	43	162084	50.570	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	120108	54.347	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	86400	55.102	ug/l #	100
77) Bromobenzene	11.61	156	199369	57.331	ug/l	98
78) n-propylbenzene	11.70	91	778402	53.181	ug/l	100
79) 2-Chlorotoluene	11.83	91	489352	55.505	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	654644	55.746	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	34784m	49.628	ug/l	
82) 4-Chlorotoluene	12.00	91	479979	55.019	ug/l	98
83) tert-Butylbenzene	12.22	119	696969	57.832	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	611350	53.752	ug/l	99
85) sec-Butylbenzene	12.40	105	846961	56.424	ug/l	100
86) p-Isopropyltoluene	12.55	119	760587	56.517	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	340779	55.391	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	324975	55.711	ug/l	100
89) n-Butylbenzene	12.92	91	660328	54.001	ug/l	99
90) Hexachloroethane	13.00	117	195880	58.065	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	326580	55.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26109	58.561	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042619\
Data File : VF062312.D
Acq On : 26 Apr 2019 19:17
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:56 PM

Quant Time: Apr 27 01:21:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	294677	56.798	ug/l	100
94) Hexachlorobutadiene	14.25	225	225799	60.517	ug/l	100
95) Naphthalene	14.52	128	490968	61.083	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	297243	60.578	ug/l	99

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

