

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062112.D
 Acq On : 23 Mar 2019 11:54
 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
 3/25/2019 12:39:54 PM

Quant Time: Mar 25 03:56:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	267710	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	416012	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	356908	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	180042	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	107830	54.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	4.12	113	156016	55.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	7.56	98	455190	54.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.38%	
62) 4-Bromofluorobenzene	11.42	95	177026	54.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	175016	51.032	ug/l	97
3) Chloromethane	1.09	50	167945	46.800	ug/l	98
4) Vinyl Chloride	1.14	62	168144	50.656	ug/l	97
5) Bromomethane	1.32	94	116598	48.866	ug/l	95
6) Chloroethane	1.40	64	75235	45.025	ug/l	96
7) Trichlorofluoromethane	1.48	101	201069	50.156	ug/l	99
8) Diethyl Ether	1.63	74	42620	46.542	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	137153	50.149	ug/l	97
10) Methyl Iodide	1.92	142	259914m	50.010	ug/l	
11) Tert butyl alcohol	2.58	59	25791	235.400	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	132982	51.533	ug/l	93
13) Acrolein	2.01	56	31925	242.317	ug/l	87
14) Allyl chloride	2.10	41	141956	51.525	ug/l	95
15) Acrylonitrile	2.94	53	85594	222.165	ug/l	97
16) Acetone	2.24	43	125677	299.881	ug/l	97
17) Carbon Disulfide	1.82	76	408330m	51.891	ug/l	
18) Methyl Acetate	2.34	43	42470	42.483	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	197766	48.490	ug/l	100
20) Methylene Chloride	2.19	84	121634m	48.153	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	107549	43.316	ug/l	98
22) Diisopropyl ether	2.81	45	350762	48.559	ug/l	98
23) Vinyl Acetate	3.19	43	770404	260.493	ug/l	100
24) 1,1-Dichloroethane	2.88	63	218217	50.376	ug/l	99
25) 2-Butanone	4.35	43	224841	256.989	ug/l	98
26) 2,2-Dichloropropane	3.61	77	93098	53.007	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	156083	47.440	ug/l	97
28) Bromochloromethane	3.72	49	93709	52.947	ug/l	95
29) Tetrahydrofuran	4.08	42	87672	230.476	ug/l	99
30) Chloroform	3.86	83	239182	52.247	ug/l	96
31) Cyclohexane	3.69	56	223816m	49.472	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	137151	49.251	ug/l	97
36) 1,1-Dichloropropene	4.28	75	199318	50.301	ug/l	95
37) Ethyl Acetate	4.11	43	80364	46.407	ug/l #	79
38) Carbon Tetrachloride	3.99	117	134558	49.823	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062112.D
 Acq On : 23 Mar 2019 11:54
 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
 3/25/2019 12:39:54 PM

Quant Time: Mar 25 03:56:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	235318	51.168	ug/l	99
40) Benzene	4.63	78	506248	47.657	ug/l	99
41) Methacrylonitrile	4.75	41	43535	47.513	ug/l	94
42) 1,2-Dichloroethane	4.95	62	126798	50.477	ug/l	98
43) Isopropyl Acetate	6.96	43	93422	44.546	ug/l #	99
44) Trichloroethene	5.51	130	160463	49.408	ug/l	98
45) 1,2-Dichloropropane	6.24	63	123026	48.557	ug/l	92
46) Dibromomethane	6.09	93	76195	49.185	ug/l	98
47) Bromodichloromethane	6.39	83	177005	51.585	ug/l	97
48) Methyl methacrylate	6.72	41	57811	48.414	ug/l	94
49) 1,4-Dioxane	6.72	88	11518	1099.277	ug/l	95
51) 4-Methyl-2-Pentanone	8.26	43	339998	242.217	ug/l	99
52) Toluene	7.63	92	312288	50.756	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	143623	53.319	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	191984	49.812	ug/l	93
55) 1,1,2-Trichloroethane	8.50	97	83394	47.718	ug/l	94
56) Ethyl methacrylate	8.62	69	101009	48.462	ug/l	99
57) 1,3-Dichloropropane	8.85	76	144100	49.679	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	83501	264.014	ug/l	99
59) 2-Hexanone	9.49	43	247389	240.469	ug/l	97
60) Dibromochloromethane	8.72	129	126055	51.884	ug/l	95
61) 1,2-Dibromoethane	8.99	107	91295	48.964	ug/l	97
64) Tetrachloroethene	8.15	164	139284	50.513	ug/l	96
65) Chlorobenzene	9.80	112	351984	52.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	136178	50.766	ug/l	97
67) Ethyl Benzene	9.90	91	605079	52.101	ug/l	99
68) m/p-Xylenes	10.13	106	430240	99.118	ug/l	98
69) o-Xylene	10.72	106	239204	52.616	ug/l	98
70) Styrene	10.79	104	332053	48.206	ug/l	98
71) Bromoform	10.77	173	66589	48.533	ug/l	99
73) Isopropylbenzene	11.13	105	671538	53.007	ug/l	99
74) N-amyl acetate	11.38	43	151565	50.209	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	110168	50.645	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	73422	47.961	ug/l	96
77) Bromobenzene	11.49	156	158635	51.252	ug/l	88
78) n-propylbenzene	11.59	91	750740	51.033	ug/l	99
79) 2-Chlorotoluene	11.72	91	438476	53.625	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	528948	50.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	29841m	47.838	ug/l	
82) 4-Chlorotoluene	11.90	91	426860	50.915	ug/l	99
83) tert-Butylbenzene	12.14	119	578442	53.026	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	530260	51.907	ug/l	97
85) sec-Butylbenzene	12.30	105	710145	50.322	ug/l	98
86) p-Isopropyltoluene	12.46	119	638654	52.236	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	292749	50.908	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	291269	51.907	ug/l	98
89) n-Butylbenzene	12.85	91	604860	51.855	ug/l	99
90) Hexachloroethane	12.91	117	154933	53.219	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	273243	50.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	16807	50.993	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062112.D
Acq On : 23 Mar 2019 11:54
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
3/25/2019 12:39:54 PM

Quant Time: Mar 25 03:56:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	196893	52.319	ug/l	95
94) Hexachlorobutadiene	14.20	225	132999	53.152	ug/l	94
95) Naphthalene	14.46	128	329580	49.975	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	177395	50.358	ug/l	99

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

