

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059206.D
 Acq On : 20 Jun 2018 00:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/20/2018 11:18:56 AM

Quant Time: Jun 20 05:37:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	273268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	418542	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	412401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239896	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	187129	56.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	4.29	113	166613	56.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.46%	
50) Toluene-d8	7.71	98	432125	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.50	95	225443	50.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	144029	46.57	ug/l	96
3) Chloromethane	1.08	50	102424	42.75	ug/l	96
4) Vinyl Chloride	1.14	62	101094	46.77	ug/l	95
5) Bromomethane	1.34	94	62987	50.01	ug/l	89
6) Chloroethane	1.43	64	47841	53.34	ug/l	95
7) Trichlorofluoromethane	1.49	101	184841m	55.02	ug/l	
8) Diethyl Ether	1.69	74	47337	56.00	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	97993	45.76	ug/l	99
10) Methyl Iodide	1.96	142	198995	53.11	ug/l	92
11) Tert butyl alcohol	2.68	59	59651	280.91	ug/l	99
12) 1,1-Dichloroethene	1.85	96	95739	53.17	ug/l	84
13) Acrolein	2.09	56	40842	222.21	ug/l	92
14) Allyl chloride	2.19	41	183738	51.99	ug/l	99
15) Acrylonitrile	3.07	53	139021	329.63	ug/l	95
16) Acetone	2.33	43	188246	237.90	ug/l	94
17) Carbon Disulfide	1.84	76	241751m	47.82	ug/l	
18) Methyl Acetate	2.44	43	76456m	56.21	ug/l	
19) Methyl tert-butyl Ether	2.53	73	331085m	59.23	ug/l	
20) Methylene Chloride	2.27	84	106220m	56.06	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	99673	50.47	ug/l	90
22) Diisopropyl ether	2.91	45	414572	59.67	ug/l	95
23) Vinyl Acetate	3.33	43	1277829	278.97	ug/l	99
24) 1,1-Dichloroethane	2.99	63	233150	55.36	ug/l	99
25) 2-Butanone	4.50	43	308586	251.54	ug/l	92
26) 2,2-Dichloropropane	3.75	77	140240	45.90	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	157888	51.95	ug/l	98
28) Bromochloromethane	3.88	49	98579	52.00	ug/l #	99
29) Tetrahydrofuran	4.25	42	144236	266.83	ug/l	98
30) Chloroform	4.03	83	329805	54.74	ug/l	93
31) Cyclohexane	3.85	56	170056	46.22	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	237188	52.73	ug/l	96
36) 1,1-Dichloropropene	4.45	75	222031	54.73	ug/l	100
37) Ethyl Acetate	4.28	43	148547	59.26	ug/l	98
38) Carbon Tetrachloride	4.16	117	255366m	58.08	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	208130	50.33	ug/l	99
40) Benzene	4.80	78	473229	50.26	ug/l	100
41) Methacrylonitrile	4.91	41	71459	58.03	ug/l	96
42) 1,2-Dichloroethane	5.10	62	256177m	60.66	ug/l	
43) Isopropyl Acetate	7.10	43	193982	57.78	ug/l	94
44) Trichloroethene	5.67	130	158228	53.78	ug/l	93
45) 1,2-Dichloropropane	6.39	63	139211	51.27	ug/l	98
46) Dibromomethane	6.25	93	113656	55.64	ug/l #	83
47) Bromodichloromethane	6.54	83	266284	57.30	ug/l	99
48) Methyl methacrylate	6.87	41	124000	59.92	ug/l	96
49) 1,4-Dioxane	6.87	88	13476	890.10	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	638690	277.58	ug/l	97
52) Toluene	7.77	92	347787	51.28	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	240658	53.47	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	266040	51.46	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	140616	57.21	ug/l	99
56) Ethyl methacrylate	8.75	69	173479	56.00	ug/l	91
57) 1,3-Dichloropropane	9.00	76	227729	54.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	59815	270.02	ug/l	100
59) 2-Hexanone	9.63	43	499021	274.18	ug/l	95
60) Dibromochloromethane	8.86	129	205829	58.28	ug/l	100
61) 1,2-Dibromoethane	9.13	107	166151	58.18	ug/l	95
64) Tetrachloroethene	8.30	164	170348	56.32	ug/l	92
65) Chlorobenzene	9.93	112	429587	52.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	178874	55.06	ug/l	95
67) Ethyl Benzene	10.03	91	734169	51.74	ug/l	99
68) m/p-Xylenes	10.26	106	541637	101.95	ug/l	94
69) o-Xylene	10.82	106	307587	53.57	ug/l	98
70) Styrene	10.90	104	441180	50.78	ug/l	99
71) Bromoform	10.88	173	130651	59.22	ug/l #	95
73) Isopropylbenzene	11.22	105	848162	51.07	ug/l	98
74) N-amyl acetate	11.46	43	311417	52.49	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	203123	51.58	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	154417	53.10	ug/l	99
77) Bromobenzene	11.59	156	222112	53.14	ug/l	90
78) n-propylbenzene	11.68	91	973201	49.50	ug/l	95
79) 2-Chlorotoluene	11.81	91	573600	49.39	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	714421	51.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	91085	48.31	ug/l	90
82) 4-Chlorotoluene	11.98	91	637751	51.58	ug/l	95
83) tert-Butylbenzene	12.21	119	697978	51.14	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	724338	50.85	ug/l	91
85) sec-Butylbenzene	12.39	105	923997	49.82	ug/l	98
86) p-Isopropyltoluene	12.54	119	817453	53.66	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	394706	51.14	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	390070	52.45	ug/l	99
89) n-Butylbenzene	12.91	91	801075	50.85	ug/l	94
90) Hexachloroethane	12.99	117	196072	52.27	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	390705	52.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	45544	58.96	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285979	55.00	ug/l	94
94) Hexachlorobutadiene	14.25	225	169840	56.44	ug/l	97
95) Naphthalene	14.52	128	641468	57.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	279291	58.12	ug/l	99

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

