

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059279.D
 Acq On : 22 Jun 2018 17:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:35:08 AM

Quant Time: Jun 24 11:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253671	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	398685	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	396622	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	241836	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	176822	48.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	4.28	113	150919	44.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	7.70	98	404545	47.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.50	95	224921	47.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	142038	48.09	ug/l	92
3) Chloromethane	1.08	50	90658	48.73	ug/l	98
4) Vinyl Chloride	1.14	62	100024	54.22	ug/l	99
5) Bromomethane	1.34	94	69561	53.39	ug/l	95
6) Chloroethane	1.42	64	55181	61.32	ug/l	98
7) Trichlorofluoromethane	1.49	101	196550m	54.41	ug/l	
8) Diethyl Ether	1.69	74	45192	55.58	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	105302	52.24	ug/l	90
10) Methyl Iodide	1.96	142	200894	54.52	ug/l	86
11) Tert butyl alcohol	2.66	59	52477	247.32	ug/l	96
12) 1,1-Dichloroethene	1.85	96	96922	53.91	ug/l	90
13) Acrolein	2.08	56	44774	270.26	ug/l	91
14) Allyl chloride	2.18	41	170060	51.24	ug/l	99
15) Acrylonitrile	3.06	53	96611	270.79	ug/l	94
16) Acetone	2.32	43	257130m	298.78	ug/l	
17) Carbon Disulfide	1.84	76	232829	53.32	ug/l	98
18) Methyl Acetate	2.43	43	78425	48.33	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	317726	52.68	ug/l	94
20) Methylene Chloride	2.26	84	98014m	56.67	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	103004	54.88	ug/l	93
22) Diisopropyl ether	2.92	45	360752	52.39	ug/l	96
23) Vinyl Acetate	3.32	43	1052659	239.03	ug/l	99
24) 1,1-Dichloroethane	2.98	63	223546	50.08	ug/l	98
25) 2-Butanone	4.49	43	281514	245.22	ug/l	98
26) 2,2-Dichloropropane	3.74	77	156766	50.40	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	144780	50.78	ug/l	97
28) Bromochloromethane	3.87	49	91785	55.86	ug/l	98
29) Tetrahydrofuran	4.23	42	112947	219.12	ug/l	96
30) Chloroform	4.02	83	317611	49.14	ug/l	97
31) Cyclohexane	3.85	56	155873	50.73	ug/l	91
32) 1,1,1-Trichloroethane	4.26	97	237442	48.66	ug/l	95
36) 1,1-Dichloropropene	4.44	75	209296	49.95	ug/l	98
37) Ethyl Acetate	4.28	43	121312	45.31	ug/l	85
38) Carbon Tetrachloride	4.16	117	246158m	47.83	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	188492	50.27	ug/l	90
40) Benzene	4.80	78	446377	50.21	ug/l	98
41) Methacrylonitrile	4.91	41	59897	46.83	ug/l	94
42) 1,2-Dichloroethane	5.10	62	245711	47.98	ug/l	100
43) Isopropyl Acetate	7.09	43	158795	48.41	ug/l	99
44) Trichloroethene	5.66	130	147080	47.74	ug/l	84
45) 1,2-Dichloropropane	6.38	63	131176	50.58	ug/l	98
46) Dibromomethane	6.24	93	103925	47.48	ug/l	88
47) Bromodichloromethane	6.53	83	260804	49.76	ug/l	100
48) Methyl methacrylate	6.86	41	104783	50.45	ug/l	92
49) 1,4-Dioxane	6.85	88	10527	874.02	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	546995	233.81	ug/l	99
52) Toluene	7.76	92	316889	46.19	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	231772	47.11	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	255643	49.21	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	126139	47.63	ug/l	94
56) Ethyl methacrylate	8.75	69	149871	49.49	ug/l	97
57) 1,3-Dichloropropane	8.99	76	211863	48.36	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	56338	232.63	ug/l	100
59) 2-Hexanone	9.62	43	489019	263.65	ug/l	96
60) Dibromochloromethane	8.85	129	195005	50.04	ug/l	93
61) 1,2-Dibromoethane	9.12	107	148677	48.73	ug/l	98
64) Tetrachloroethene	8.29	164	140545	46.14	ug/l	91
65) Chlorobenzene	9.92	112	431799	51.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	172311	49.01	ug/l	97
67) Ethyl Benzene	10.02	91	704920	49.20	ug/l	98
68) m/p-Xylenes	10.26	106	502036	97.48	ug/l	99
69) o-Xylene	10.82	106	285416	50.18	ug/l	99
70) Styrene	10.89	104	451145	52.61	ug/l	99
71) Bromoform	10.88	173	126736	50.54	ug/l #	95
73) Isopropylbenzene	11.22	105	840021	50.42	ug/l	99
74) N-amyl acetate	11.45	43	288333	53.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	190477	48.73	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	144640	50.54	ug/l	97
77) Bromobenzene	11.59	156	219218	48.71	ug/l	93
78) n-propylbenzene	11.68	91	991597	50.31	ug/l	99
79) 2-Chlorotoluene	11.81	91	584272	49.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	714097	50.70	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	89967	49.09	ug/l	95
82) 4-Chlorotoluene	11.98	91	633432	49.90	ug/l	98
83) tert-Butylbenzene	12.21	119	713744	50.06	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	763053	51.43	ug/l	100
85) sec-Butylbenzene	12.38	105	924259	48.58	ug/l	99
86) p-Isopropyltoluene	12.53	119	807750	51.49	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	392684	48.66	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	407091	51.08	ug/l	99
89) n-Butylbenzene	12.91	91	814593	51.00	ug/l	99
90) Hexachloroethane	12.99	117	198245	50.56	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	397313	49.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	40016	47.41	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	290069	49.62	ug/l	98
94) Hexachlorobutadiene	14.25	225	176201	50.86	ug/l	99
95) Naphthalene	14.52	128	614629	51.20	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	281760	51.22	ug/l	95

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

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