

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059473.D
 Acq On : 7 Jul 2018 3:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:22 AM

Quant Time: Jul 07 06:26:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	236771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	347923	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.88	117	360405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	230400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	211501	64.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.92%	
35) Dibromofluoromethane	4.26	113	161411	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
50) Toluene-d8	7.68	98	393904	59.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.44%	
62) 4-Bromofluorobenzene	11.48	95	220987	59.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	174639	73.26	ug/l	100
3) Chloromethane	1.07	50	81340	54.37	ug/l	100
4) Vinyl Chloride	1.14	62	83662	56.72	ug/l	100
5) Bromomethane	1.33	94	60039	59.55	ug/l	100
6) Chloroethane	1.42	64	43982	58.80	ug/l	100
7) Trichlorofluoromethane	1.47	101	203375m	67.07	ug/l	
8) Diethyl Ether	1.68	74	39257	52.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	103207	59.66	ug/l	100
10) Methyl Iodide	1.95	142	185027	59.08	ug/l	100
11) Tert butyl alcohol	2.67	59	52295	256.70	ug/l	100
12) 1,1-Dichloroethene	1.84	96	91689	62.40	ug/l	100
13) Acrolein	2.07	56	33952	280.65	ug/l	100
14) Allyl chloride	2.17	41	149367	55.79	ug/l	100
15) Acrylonitrile	3.04	53	85938	241.38	ug/l	100
16) Acetone	2.31	43	161317	199.88	ug/l	100
17) Carbon Disulfide	1.85	76	232136	66.28	ug/l	100
18) Methyl Acetate	2.42	43	65187	40.82	ug/l	100
19) Methyl tert-butyl Ether	2.51	73	295669	55.40	ug/l	100
20) Methylene Chloride	2.25	84	88392m	38.08	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	91938	58.94	ug/l	100
22) Diisopropyl ether	2.90	45	308079	52.49	ug/l	100
23) Vinyl Acetate	3.30	43	970605	261.79	ug/l	100
24) 1,1-Dichloroethane	2.97	63	211987	57.03	ug/l	100
25) 2-Butanone	4.47	43	216945	223.07	ug/l	100
26) 2,2-Dichloropropane	3.72	77	125567	50.45	ug/l	100
27) cis-1,2-Dichloroethene	3.60	96	117080	51.20	ug/l	100
28) Bromochloromethane	3.85	49	85030	52.78	ug/l	100
29) Tetrahydrofuran	4.22	42	100453	234.20	ug/l	100
30) Chloroform	4.00	83	306869	57.05	ug/l	100
31) Cyclohexane	3.82	56	127513	53.07	ug/l	100
32) 1,1,1-Trichloroethane	4.23	97	232664	58.75	ug/l	100
36) 1,1-Dichloropropene	4.41	75	183582	57.80	ug/l	100
37) Ethyl Acetate	4.26	43	110209	51.27	ug/l	100
38) Carbon Tetrachloride	4.13	117	261184m	63.90	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	165908	58.89	ug/l	100
40) Benzene	4.77	78	346825	50.75	ug/l	100
41) Methacrylonitrile	4.89	41	52184	50.25	ug/l	100
42) 1,2-Dichloroethane	5.08	62	260198	62.54	ug/l	100
43) Isopropyl Acetate	7.07	43	122891	48.73	ug/l	100
44) Trichloroethene	5.64	130	135047	56.37	ug/l	100
45) 1,2-Dichloropropane	6.37	63	97177	49.94	ug/l	100
46) Dibromomethane	6.22	93	98755	57.61	ug/l	100
47) Bromodichloromethane	6.51	83	242654	58.13	ug/l	100
48) Methyl methacrylate	6.84	41	92640	53.95	ug/l	100
49) 1,4-Dioxane	6.83	88	9434	911.59	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	480928	255.80	ug/l	100
52) Toluene	7.75	92	276604	53.73	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	210673	55.75	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	219200	54.17	ug/l	100
55) 1,1,2-Trichloroethane	8.60	97	109805	55.27	ug/l	100
56) Ethyl methacrylate	8.73	69	124647	51.54	ug/l	100
57) 1,3-Dichloropropane	8.97	76	181305	53.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	58023	304.12	ug/l	100
59) 2-Hexanone	9.60	43	375401	242.13	ug/l	100
60) Dibromochloromethane	8.83	129	183587	59.26	ug/l	100
61) 1,2-Dibromoethane	9.11	107	135681	56.15	ug/l	100
64) Tetrachloroethene	8.27	164	156374	63.23	ug/l	100
65) Chlorobenzene	9.91	112	359926	52.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	164451	55.30	ug/l	100
67) Ethyl Benzene	10.01	91	616506	53.02	ug/l	100
68) m/p-Xylenes	10.24	106	423200	103.03	ug/l	100
69) o-Xylene	10.80	106	239226	52.19	ug/l	100
70) Styrene	10.87	104	368798	52.74	ug/l	100
71) Bromoform	10.86	173	114724	56.55	ug/l	100
73) Isopropylbenzene	11.21	105	743101	54.18	ug/l	100
74) N-amyl acetate	11.44	43	234270	48.36	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	165985	49.13	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	134634	51.95	ug/l	100
77) Bromobenzene	11.57	156	193965	51.40	ug/l	100
78) n-propylbenzene	11.67	91	850832	51.69	ug/l	100
79) 2-Chlorotoluene	11.79	91	528956	52.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	657566	54.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	69859	46.49	ug/l	100
82) 4-Chlorotoluene	11.96	91	552659	51.64	ug/l	100
83) tert-Butylbenzene	12.19	119	632653	52.90	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	665828	52.74	ug/l	100
85) sec-Butylbenzene	12.37	105	861850	54.02	ug/l	100
86) p-Isopropyltoluene	12.52	119	734460	54.71	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	362981	51.70	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	361503	53.01	ug/l	100
89) n-Butylbenzene	12.90	91	719762	52.81	ug/l	100
90) Hexachloroethane	12.98	117	185359	55.24	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	362305	52.72	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43299	56.53	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	282198	55.28	ug/l	100
94) Hexachlorobutadiene	14.24	225	176167	60.18	ug/l	100
95) Naphthalene	14.51	128	623260	58.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	280330	57.68	ug/l	100

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

