

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059266.D
 Acq On : 21 Jun 2018 17:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:31 AM

Quant Time: Jun 22 05:05:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	238719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	360566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	372003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	227453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163961	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	4.30	113	144904	56.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.48%	
50) Toluene-d8	7.71	98	379065	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.51	95	210492	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	134255	49.52	ug/l	100
3) Chloromethane	1.08	50	84319	41.72	ug/l	100
4) Vinyl Chloride	1.14	62	86842	46.74	ug/l	100
5) Bromomethane	1.34	94	56891	51.18	ug/l	100
6) Chloroethane	1.43	64	42900	54.34	ug/l	100
7) Trichlorofluoromethane	1.49	101	179928m	59.74	ug/l	
8) Diethyl Ether	1.70	74	34830	47.65	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89968	48.38	ug/l	100
10) Methyl Iodide	1.96	142	166161	50.85	ug/l	100
11) Tert butyl alcohol	2.68	59	45335	243.20	ug/l	100
12) 1,1-Dichloroethene	1.85	96	77506	49.74	ug/l	100
13) Acrolein	2.09	56	36667	226.08	ug/l	100
14) Allyl chloride	2.19	41	144950	47.26	ug/l	100
15) Acrylonitrile	3.07	53	84150	235.18	ug/l	100
16) Acetone	2.33	43	192524	273.01	ug/l	100
17) Carbon Disulfide	1.87	76	194996	45.51	ug/l	100
18) Methyl Acetate	2.45	43	70022	56.77	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	277342	55.56	ug/l	100
20) Methylene Chloride	2.31	84	79521m	48.00	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	86898	50.22	ug/l	100
22) Diisopropyl ether	2.93	45	311259	50.71	ug/l	100
23) Vinyl Acetate	3.33	43	1015830	253.77	ug/l	100
24) 1,1-Dichloroethane	2.99	63	195640	52.32	ug/l	100
25) 2-Butanone	4.51	43	257315	238.75	ug/l	100
26) 2,2-Dichloropropane	3.75	77	141437	52.40	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	131656	49.74	ug/l	100
28) Bromochloromethane	3.88	49	76339	46.14	ug/l	100
29) Tetrahydrofuran	4.26	42	111305	236.70	ug/l	100
30) Chloroform	4.04	83	287339	53.88	ug/l	100
31) Cyclohexane	3.86	56	141474	44.86	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	220789	55.13	ug/l	100
36) 1,1-Dichloropropene	4.45	75	189506	54.04	ug/l	100
37) Ethyl Acetate	4.29	43	113945	52.05	ug/l	100
38) Carbon Tetrachloride	4.17	117	237907m	61.16	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	166005m	47.81	ug/l	
40) Benzene	4.81	78	400586	49.71	ug/l	100
41) Methacrylonitrile	4.92	41	57802	53.79	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244620	64.23	ug/l	100
43) Isopropyl Acetate	7.11	43	154193	52.43	ug/l	100
44) Trichloroethene	5.69	130	144213	55.77	ug/l	100
45) 1,2-Dichloropropane	6.41	63	118853	50.96	ug/l	100
46) Dibromomethane	6.25	93	99952	56.21	ug/l	100
47) Bromodichloromethane	6.54	83	243825	59.40	ug/l	100
48) Methyl methacrylate	6.87	41	98521	54.70	ug/l	100
49) 1,4-Dioxane	6.87	88	10346	867.18	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	537190	266.04	ug/l	100
52) Toluene	7.78	92	303487	51.82	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	226895	56.65	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	243795	54.21	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	123228	57.13	ug/l	100
56) Ethyl methacrylate	8.76	69	148417	54.60	ug/l	100
57) 1,3-Dichloropropane	9.00	76	202333	55.25	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	55126	280.98	ug/l	100
59) 2-Hexanone	9.63	43	421281	263.62	ug/l	100
60) Dibromochloromethane	8.86	129	188168	60.04	ug/l	100
61) 1,2-Dibromoethane	9.14	107	142710	56.83	ug/l	100
64) Tetrachloroethene	8.31	164	144237	52.49	ug/l	100
65) Chlorobenzene	9.94	112	395837	53.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	160601	53.81	ug/l	100
67) Ethyl Benzene	10.04	91	665701	51.80	ug/l	100
68) m/p-Xylenes	10.27	106	495133	101.49	ug/l	100
69) o-Xylene	10.83	106	276958	52.78	ug/l	100
70) Styrene	10.90	104	404925	51.30	ug/l	100
71) Bromoform	10.89	173	118677	57.77	ug/l	100
73) Isopropylbenzene	11.23	105	796625	50.63	ug/l	100
74) N-amyl acetate	11.46	43	256076	45.90	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	180467	48.37	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	133721	48.42	ug/l	100
77) Bromobenzene	11.60	156	213516	53.22	ug/l	100
78) n-propylbenzene	11.69	91	941772	50.54	ug/l	100
79) 2-Chlorotoluene	11.82	91	558601	50.55	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	680788	51.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	88103	48.99	ug/l	100
82) 4-Chlorotoluene	11.99	91	597688	50.75	ug/l	100
83) tert-Butylbenzene	12.21	119	706834	54.11	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	705086	52.28	ug/l	100
85) sec-Butylbenzene	12.39	105	897184	50.99	ug/l	100
86) p-Isopropyltoluene	12.54	119	773300	53.36	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	381160	51.63	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	376578	52.87	ug/l	100
89) n-Butylbenzene	12.92	91	767811	50.96	ug/l	100
90) Hexachloroethane	13.00	117	184355	51.77	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	363555	51.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	41298	55.52	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	288107	56.96	ug/l	100
94) Hexachlorobutadiene	14.26	225	169923	58.23	ug/l	100
95) Naphthalene	14.53	128	617625	57.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	278734	59.58	ug/l	100

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

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