

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059774.D
 Acq On : 2 Aug 2018 00:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/10/2018 3:50:55 PM

Quant Time: Aug 02 07:36:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	171675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	244346	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	245495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	160772	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.29	113	128045	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	7.71	98	292077	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.51	95	162390	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	96625	50.05	ug/l	97
3) Chloromethane	1.08	50	47373	47.25	ug/l	91
4) Vinyl Chloride	1.15	62	46368	43.05	ug/l #	89
5) Bromomethane	1.33	94	44630	51.17	ug/l	100
6) Chloroethane	1.42	64	33705	52.25	ug/l	91
7) Trichlorofluoromethane	1.53	101	156769m	48.90	ug/l	
8) Diethyl Ether	1.70	74	23236	42.39	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.90	101	80259	47.80	ug/l #	84
10) Methyl Iodide	1.96	142	120302	50.93	ug/l	94
11) Tert butyl alcohol	2.69	59	32932	264.81	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	61721	46.43	ug/l	97
13) Acrolein	2.08	56	20689	313.17	ug/l #	78
14) Allyl chloride	2.18	41	97830	46.09	ug/l	96
15) Acrylonitrile	3.08	53	55802	279.91	ug/l	93
16) Acetone	2.34	43	112344m	202.43	ug/l	
17) Carbon Disulfide	1.89	76	125731m	45.77	ug/l	
18) Methyl Acetate	2.45	43	47255	55.39	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	192896	47.58	ug/l	97
20) Methylene Chloride	2.27	84	59455m	48.99	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	60274	51.88	ug/l	97
22) Diisopropyl ether	2.93	45	214951	47.89	ug/l	96
23) Vinyl Acetate	3.34	43	612124	265.24	ug/l	97
24) 1,1-Dichloroethane	3.00	63	149607	47.97	ug/l	98
25) 2-Butanone	4.51	43	135874	219.39	ug/l #	77
26) 2,2-Dichloropropane	3.76	77	101073	45.46	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	76246	45.66	ug/l	90
28) Bromochloromethane	3.89	49	53597	49.28	ug/l #	76
29) Tetrahydrofuran	4.25	42	57865	243.09	ug/l	96
30) Chloroform	4.04	83	207582	47.16	ug/l	87
31) Cyclohexane	3.86	56	71701	47.21	ug/l #	94
32) 1,1,1-Trichloroethane	4.27	97	171822	50.33	ug/l	99
36) 1,1-Dichloropropene	4.45	75	121176	48.90	ug/l	99
37) Ethyl Acetate	4.29	43	66833	55.30	ug/l #	80
38) Carbon Tetrachloride	4.16	117	188533m	48.53	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	89270	47.08	ug/l #	83
40) Benzene	4.80	78	224822	45.56	ug/l	98
41) Methacrylonitrile	4.92	41	33560	54.83	ug/l	95
42) 1,2-Dichloroethane	5.11	62	175207	50.73	ug/l	98
43) Isopropyl Acetate	7.11	43	70464	48.23	ug/l	95
44) Trichloroethene	5.67	130	84516	51.19	ug/l	88
45) 1,2-Dichloropropane	6.40	63	62143	47.69	ug/l #	88
46) Dibromomethane	6.25	93	60420	48.84	ug/l	93
47) Bromodichloromethane	6.55	83	170519	50.61	ug/l	99
48) Methyl methacrylate	6.87	41	51791	47.13	ug/l	93
49) 1,4-Dioxane	6.87	88	6577	933.45	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	285220	256.62	ug/l	99
52) Toluene	7.78	92	169916	51.82	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	138169	47.26	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	134956	47.66	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	66291	49.60	ug/l	97
56) Ethyl methacrylate	8.77	69	72571	52.07	ug/l	94
57) 1,3-Dichloropropane	9.00	76	109668	47.83	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	39529	245.65	ug/l	100
59) 2-Hexanone	9.63	43	205990	231.28	ug/l	98
60) Dibromochloromethane	8.87	129	122058	51.76	ug/l	95
61) 1,2-Dibromoethane	9.14	107	80468	51.56	ug/l	98
64) Tetrachloroethene	8.30	164	88252	53.57	ug/l	97
65) Chlorobenzene	9.94	112	224281	45.67	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	114338	49.87	ug/l	99
67) Ethyl Benzene	10.04	91	418417	49.24	ug/l	99
68) m/p-Xylenes	10.27	106	280542	106.25	ug/l	93
69) o-Xylene	10.83	106	154513	49.35	ug/l	100
70) Styrene	10.91	104	221150	46.63	ug/l	97
71) Bromoform	10.89	173	76385	51.13	ug/l	95
73) Isopropylbenzene	11.23	105	513173	49.39	ug/l	99
74) N-amyl acetate	11.47	43	123399	47.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	105848	54.11	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	85891	51.64	ug/l	96
77) Bromobenzene	11.60	156	133284	49.12	ug/l	93
78) n-propylbenzene	11.68	91	568555	53.76	ug/l	99
79) 2-Chlorotoluene	11.81	91	365981	55.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	445285	54.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	35217m	51.13	ug/l	
82) 4-Chlorotoluene	11.99	91	385424	54.16	ug/l	98
83) tert-Butylbenzene	12.22	119	460714	49.39	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	462842	55.87	ug/l	99
85) sec-Butylbenzene	12.38	105	592181	56.49	ug/l	96
86) p-Isopropyltoluene	12.54	119	505190	55.18	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	237876	53.97	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	237068	53.08	ug/l	100
89) n-Butylbenzene	12.92	91	489898	56.53	ug/l	96
90) Hexachloroethane	13.00	117	131373	50.13	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	236397	54.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	26941	56.34	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	180502	52.57	ug/l	95
94) Hexachlorobutadiene	14.26	225	126922	48.86	ug/l	96
95) Naphthalene	14.52	128	383012	56.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	189534	50.22	ug/l	98

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

