

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059404.D
 Acq On : 3 Jul 2018 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/5/2018 12:41:17 PM

Quant Time: Jul 04 00:37:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	278661	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	399286	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	425527	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	250072	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.98	65	156623	43.50	ug/l	-0.02
Spiked Amount			Recovery	=	87.00%	
35) Dibromofluoromethane	4.26	113	137580	47.16	ug/l	-0.02
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	7.68	98	331203	45.85	ug/l	-0.02
Spiked Amount			Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.49	95	187612	46.04	ug/l	-0.01
Spiked Amount			Recovery	=	92.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	118005	46.350	ug/l	95
3) Chloromethane	1.07	50	73515	42.981	ug/l	96
4) Vinyl Chloride	1.14	62	80308	47.700	ug/l	100
5) Bromomethane	1.33	94	49257	52.366	ug/l	99
6) Chloroethane	1.42	64	39376	46.435	ug/l	97
7) Trichlorofluoromethane	1.48	101	173194m	52.022	ug/l	
8) Diethyl Ether	1.68	74	38611	45.231	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.88	101	95075	48.923	ug/l	95
10) Methyl Iodide	1.95	142	165848	46.800	ug/l	94
11) Tert butyl alcohol	2.67	59	57302	239.075	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	85825	52.241	ug/l	87
13) Acrolein	2.07	56	36245	322.769	ug/l	97
14) Allyl chloride	2.17	41	159344	51.669	ug/l	97
15) Acrylonitrile	3.05	53	98835	234.164	ug/l	92
16) Acetone	2.31	43	257557	287.994	ug/l	99
17) Carbon Disulfide	1.86	76	175276m	45.355	ug/l	
18) Methyl Acetate	2.43	43	87362	53.851	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	300578	49.051	ug/l	98
20) Methylene Chloride	2.29	84	89211m	43.176	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	86328	49.259	ug/l	89
22) Diisopropyl ether	2.89	45	340067	49.796	ug/l	99
23) Vinyl Acetate	3.30	43	1061969	244.174	ug/l	98
24) 1,1-Dichloroethane	2.97	63	203599	48.085	ug/l	99
25) 2-Butanone	4.47	43	283506	260.423	ug/l	99
26) 2,2-Dichloropropane	3.73	77	147322	50.446	ug/l	97
27) cis-1,2-Dichloroethene	3.60	96	131788	49.529	ug/l	84
28) Bromochloromethane	3.85	49	77913	47.722	ug/l	88
29) Tetrahydrofuran	4.22	42	116967	252.688	ug/l	95
30) Chloroform	4.00	83	298215	48.651	ug/l	100
31) Cyclohexane	3.82	56	124020	44.712	ug/l	94
32) 1,1,1-Trichloroethane	4.24	97	222874	49.686	ug/l	96
36) 1,1-Dichloropropene	4.42	75	188608	54.072	ug/l	99
37) Ethyl Acetate	4.26	43	122515	55.057	ug/l	88
38) Carbon Tetrachloride	4.14	117	239703m	54.454	ug/l	

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39) Methylcyclohexane	5.59	83	167377	54.150	ug/l	98
40) Benzene	4.77	78	383888	49.637	ug/l	99
41) Methacrylonitrile	4.89	41	58132	48.857	ug/l	95
42) 1,2-Dichloroethane	5.08	62	233231	51.609	ug/l	100
43) Isopropyl Acetate	7.07	43	144333	49.677	ug/l	95
44) Trichloroethene	5.64	130	136134	51.313	ug/l	91
45) 1,2-Dichloropropane	6.36	63	111390	50.411	ug/l	99
46) Dibromomethane	6.22	93	101982	53.176	ug/l	94
47) Bromodichloromethane	6.51	83	254453	54.810	ug/l	97
48) Methyl methacrylate	6.84	41	104168	53.495	ug/l	98
49) 1,4-Dioxane	6.83	88	11206	1082.051	ug/l #	81
51) 4-Methyl-2-Pentanone	8.38	43	536827	249.400	ug/l	99
52) Toluene	7.74	92	265427	45.866	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	224860	53.137	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	250181	54.429	ug/l	97
55) 1,1,2-Trichloroethane	8.60	97	117469	52.280	ug/l	93
56) Ethyl methacrylate	8.73	69	146888	52.773	ug/l	93
57) 1,3-Dichloropropane	8.97	76	205370	53.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.74	63	51933	248.777	ug/l	100
59) 2-Hexanone	9.60	43	448443	279.299	ug/l	97
60) Dibromochloromethane	8.83	129	191833	55.301	ug/l	88
61) 1,2-Dibromoethane	9.10	107	134747	49.448	ug/l	95
64) Tetrachloroethene	8.28	164	135853	49.224	ug/l	97
65) Chlorobenzene	9.91	112	393324	49.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	165203	48.442	ug/l	96
67) Ethyl Benzene	10.01	91	650977	48.666	ug/l	100
68) m/p-Xylenes	10.24	106	467081	98.104	ug/l	99
69) o-Xylene	10.80	106	256648	48.194	ug/l	97
70) Styrene	10.88	104	395243	48.723	ug/l	97
71) Bromoform	10.86	173	120835	51.694	ug/l	98
73) Isopropylbenzene	11.20	105	757388	51.988	ug/l	100
74) N-amyl acetate	11.44	43	263118	49.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	179100	48.677	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	136156	49.057	ug/l	94
77) Bromobenzene	11.57	156	205335	50.801	ug/l	97
78) n-propylbenzene	11.67	91	902321	51.572	ug/l	98
79) 2-Chlorotoluene	11.80	91	548206	51.285	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	657638	51.533	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	82879	50.172	ug/l	97
82) 4-Chlorotoluene	11.97	91	596941	52.137	ug/l	98
83) tert-Butylbenzene	12.20	119	686599	53.793	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	693997	51.636	ug/l	99
85) sec-Butylbenzene	12.37	105	882269	52.148	ug/l	100
86) p-Isopropyltoluene	12.52	119	758656	53.433	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	374036	56.663	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	368686	51.076	ug/l	98
89) n-Butylbenzene	12.90	91	752895	52.235	ug/l	99
90) Hexachloroethane	12.98	117	188138	53.166	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	368427	50.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41569	50.966	ug/l	85

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93) 1,2,4-Trichlorobenzene	14.25	180	298899	55.090	ug/l	97
94) Hexachlorobutadiene	14.24	225	173127	57.126	ug/l	96
95) Naphthalene	14.51	128	599549	52.814	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	280957	54.662	ug/l	96

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

