

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059354.D
 Acq On : 28 Jun 2018 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/29/2018 11:27:09 AM

Quant Time: Jun 29 04:30:44 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	5.04	168	271885	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	407761	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	434492	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	258938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	159460	45.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	4.29	113	139378	46.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	7.71	98	347676	47.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.50	95	202929	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	112224	45.18	ug/l	95
3) Chloromethane	1.09	50	77010	46.15	ug/l	98
4) Vinyl Chloride	1.14	62	81234	49.45	ug/l	92
5) Bromomethane	1.33	94	58387	63.95	ug/l	97
6) Chloroethane	1.42	64	43527	52.61	ug/l	95
7) Trichlorofluoromethane	1.48	101	174128m	53.61	ug/l	
8) Diethyl Ether	1.70	74	39660	47.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	97952	51.66	ug/l	91
10) Methyl Iodide	1.96	142	168124	48.62	ug/l	91
11) Tert butyl alcohol	2.68	59	52109	222.83	ug/l	93
12) 1,1-Dichloroethene	1.85	96	79197	49.41	ug/l	89
13) Acrolein	2.08	56	48024	445.82	ug/l	91
14) Allyl chloride	2.19	41	152015	50.52	ug/l	# 98
15) Acrylonitrile	3.07	53	89945	218.41	ug/l	91
16) Acetone	2.34	43	260654m	299.12	ug/l	
17) Carbon Disulfide	1.83	76	176891	46.91	ug/l	# 91
18) Methyl Acetate	2.45	43	81220	51.26	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	308164	51.54	ug/l	94
20) Methylene Chloride	2.27	84	86260	42.71	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	81097	47.43	ug/l	96
22) Diisopropyl ether	2.92	45	322608	48.42	ug/l	99
23) Vinyl Acetate	3.32	43	1029208	242.54	ug/l	97
24) 1,1-Dichloroethane	3.00	63	190355	46.08	ug/l	100
25) 2-Butanone	4.51	43	277834	261.59	ug/l	100
26) 2,2-Dichloropropane	3.76	77	142201	49.91	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	125643	48.40	ug/l	90
28) Bromochloromethane	3.88	49	79636	50.21	ug/l	91
29) Tetrahydrofuran	4.25	42	119039	263.97	ug/l	95
30) Chloroform	4.03	83	287499	48.07	ug/l	98
31) Cyclohexane	3.86	56	119076	44.00	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	217934	49.80	ug/l	99
36) 1,1-Dichloropropene	4.46	75	170106	47.75	ug/l	98
37) Ethyl Acetate	4.28	43	114857	50.42	ug/l	# 71
38) Carbon Tetrachloride	4.16	117	236397m	52.59	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	153230	48.54	ug/l	96
40) Benzene	4.81	78	375216	47.51	ug/l	98
41) Methacrylonitrile	4.92	41	55400	45.59	ug/l	96
42) 1,2-Dichloroethane	5.12	62	226788	49.14	ug/l	99
43) Isopropyl Acetate	7.11	43	149948	50.54	ug/l #	93
44) Trichloroethene	5.67	130	126293	46.61	ug/l	94
45) 1,2-Dichloropropane	6.40	63	113318	50.22	ug/l	93
46) Dibromomethane	6.25	93	98793	50.44	ug/l	98
47) Bromodichloromethane	6.55	83	239046	50.42	ug/l	98
48) Methyl methacrylate	6.87	41	103536	52.07	ug/l	92
49) 1,4-Dioxane	6.86	88	12276	1163.96	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	560374	254.93	ug/l	97
52) Toluene	7.78	92	281028	47.55	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	223396	51.69	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	236805	50.45	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	115644	50.40	ug/l	97
56) Ethyl methacrylate	8.75	69	144901	50.98	ug/l	97
57) 1,3-Dichloropropane	9.00	76	201446	51.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	53460	250.77	ug/l	100
59) 2-Hexanone	9.63	43	465788	284.38	ug/l	96
60) Dibromochloromethane	8.86	129	183321	51.75	ug/l	91
61) 1,2-Dibromoethane	9.14	107	134917	48.48	ug/l	98
64) Tetrachloroethene	8.30	164	128029	45.43	ug/l	99
65) Chlorobenzene	9.94	112	387681	48.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	162860	46.77	ug/l	99
67) Ethyl Benzene	10.04	91	628174	45.99	ug/l	96
68) m/p-Xylenes	10.26	106	453573	93.30	ug/l	98
69) o-Xylene	10.82	106	260161	47.85	ug/l	96
70) Styrene	10.90	104	387406	46.77	ug/l	98
71) Bromoform	10.88	173	117428	49.20	ug/l	98
73) Isopropylbenzene	11.23	105	756775	50.17	ug/l	98
74) N-amyl acetate	11.47	43	269421	49.22	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	188897	49.58	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	141880	49.37	ug/l	99
77) Bromobenzene	11.59	156	203015	48.51	ug/l	96
78) n-propylbenzene	11.69	91	862949	47.63	ug/l	99
79) 2-Chlorotoluene	11.81	91	546884	49.41	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	661127	50.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	86931	50.82	ug/l	93
82) 4-Chlorotoluene	11.99	91	592125	49.95	ug/l	95
83) tert-Butylbenzene	12.21	119	657076	49.72	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	684796	49.21	ug/l	97
85) sec-Butylbenzene	12.39	105	879090	50.18	ug/l	97
86) p-Isopropyltoluene	12.54	119	742532	50.51	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	369644	53.85	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	365616	48.92	ug/l	98
89) n-Butylbenzene	12.92	91	765965	51.32	ug/l	98
90) Hexachloroethane	12.99	117	183551	50.09	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	366546	48.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	43401	51.39	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	286377	50.97	ug/l	97
94) Hexachlorobutadiene	14.25	225	165104	52.61	ug/l	97
95) Naphthalene	14.52	128	631200	53.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	281725	52.94	ug/l	99

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

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