

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060718.D
 Acq On : 13 Nov 2018 20:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 11/14/2018 11:54:06 AM

Quant Time: Nov 14 03:51:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	207704	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	345778	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	330280	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	171883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113890	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
35) Dibromofluoromethane	4.11	113	128137	49.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.60%	
50) Toluene-d8	7.56	98	350533	52.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.41	95	165019	53.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	179599	48.316	ug/l	100
3) Chloromethane	1.12	50	110193	47.800	ug/l	94
4) Vinyl Chloride	1.15	62	102308	49.610	ug/l	97
5) Bromomethane	1.34	94	65732	50.179	ug/l	96
6) Chloroethane	1.38	64	42217	52.323	ug/l	96
7) Trichlorofluoromethane	1.50	101	230593	50.565	ug/l	93
8) Diethyl Ether	1.63	74	26843	45.941	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	109291	50.857	ug/l	96
10) Methyl Iodide	1.90	142	166311m	48.234	ug/l	
11) Tert butyl alcohol	2.57	59	26268	243.628	ug/l	98
12) 1,1-Dichloroethene	1.79	96	82080	48.438	ug/l	95
13) Acrolein	2.00	56	18713	189.815	ug/l #	82
14) Allyl chloride	2.10	41	135124	45.518	ug/l	99
15) Acrylonitrile	2.94	53	54756	238.329	ug/l	95
16) Acetone	2.24	43	117767	232.566	ug/l	99
17) Carbon Disulfide	1.85	76	250212m	48.855	ug/l	
18) Methyl Acetate	2.35	43	36391	43.766	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	186182	45.799	ug/l	98
20) Methylene Chloride	2.18	84	83493m	49.587	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	87072	49.182	ug/l	92
22) Diisopropyl ether	2.80	45	275348	48.043	ug/l	99
23) Vinyl Acetate	3.20	43	679367	251.724	ug/l	99
24) 1,1-Dichloroethane	2.87	63	172454	49.701	ug/l	99
25) 2-Butanone	4.34	43	195939	235.246	ug/l	100
26) 2,2-Dichloropropane	3.60	77	127896	46.840	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	149534	49.651	ug/l	95
28) Bromochloromethane	3.73	49	92902	51.519	ug/l	99
29) Tetrahydrofuran	4.07	42	78472	228.407	ug/l	98
30) Chloroform	3.87	83	272321	48.915	ug/l	94
31) Cyclohexane	3.70	56	208399	49.486	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	209755	47.845	ug/l	98
36) 1,1-Dichloropropene	4.29	75	198777	49.568	ug/l	98
37) Ethyl Acetate	4.11	43	72499	48.628	ug/l	99
38) Carbon Tetrachloride	4.00	117	190008	48.831	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	235859	50.696	ug/l	97
40) Benzene	4.64	78	434633	48.621	ug/l	96
41) Methacrylonitrile	4.75	41	49674	63.676	ug/l	96
42) 1,2-Dichloroethane	4.95	62	150907	48.851	ug/l	99
43) Isopropyl Acetate	6.96	43	86141	43.577	ug/l #	97
44) Trichloroethene	5.51	130	137552	48.771	ug/l	98
45) 1,2-Dichloropropane	6.24	63	113346	48.727	ug/l	97
46) Dibromomethane	6.10	93	74712	48.656	ug/l	94
47) Bromodichloromethane	6.39	83	182288	46.489	ug/l	100
48) Methyl methacrylate	6.72	41	61431	46.956	ug/l	93
49) 1,4-Dioxane	6.71	88	13375	1093.151	ug/l	88
51) 4-Methyl-2-Pentanone	8.27	43	328549	229.805	ug/l	100
52) Toluene	7.63	92	277556	46.333	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	142404	45.343	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	195472	47.916	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	76399	44.637	ug/l	98
56) Ethyl methacrylate	8.62	69	95049	48.898	ug/l	99
57) 1,3-Dichloropropane	8.86	76	142194	47.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.63	63	42467	239.159	ug/l	100
59) 2-Hexanone	9.50	43	239099	237.972	ug/l	99
60) Dibromochloromethane	8.72	129	120054	49.216	ug/l	100
61) 1,2-Dibromoethane	9.00	107	88776	49.318	ug/l	94
64) Tetrachloroethene	8.16	164	118167	45.180	ug/l	97
65) Chlorobenzene	9.81	112	311429	46.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	126961	43.675	ug/l	92
67) Ethyl Benzene	9.90	91	563582	44.861	ug/l	99
68) m/p-Xylenes	10.14	106	390713	87.027	ug/l	99
69) o-Xylene	10.72	106	231181	45.800	ug/l	97
70) Styrene	10.79	104	306343	44.720	ug/l	98
71) Bromoform	10.78	173	58769	44.957	ug/l #	98
73) Isopropylbenzene	11.13	105	709128	51.255	ug/l	100
74) N-amyl acetate	11.37	43	145464	46.185	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	111001	48.527	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	75507	44.447	ug/l	98
77) Bromobenzene	11.50	156	141730	49.214	ug/l	96
78) n-propylbenzene	11.60	91	790373	48.982	ug/l	100
79) 2-Chlorotoluene	11.73	91	455416	48.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	551532	50.212	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	36009m	43.145	ug/l	
82) 4-Chlorotoluene	11.91	91	458100	47.681	ug/l	98
83) tert-Butylbenzene	12.13	119	568924	48.782	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	527090	46.399	ug/l	95
85) sec-Butylbenzene	12.31	105	802800	50.744	ug/l	98
86) p-Isopropyltoluene	12.46	119	656271	49.668	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	278397	48.576	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	265469	48.196	ug/l	97
89) n-Butylbenzene	12.84	91	633689	46.995	ug/l	98
90) Hexachloroethane	12.92	117	167641	51.872	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	262535	48.651	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20633	47.992	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	191645	49.411	ug/l	94
94) Hexachlorobutadiene	14.20	225	131775	51.992	ug/l	96
95) Naphthalene	14.46	128	351867	49.719	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	186705	52.094	ug/l	98

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

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