

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060722.D
 Acq On : 14 Nov 2018 13:40
 Operator : VA/AP
 Sample : VF1114SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 2:36:20 PM

Quant Time: Nov 15 06:56:53 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	4.85	168	215233	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	344930	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	335861	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	189087	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	115987	47.25	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	4.09	113	136190	52.53	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	7.53	98	365384	55.31	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.62%	
62) 4-Bromofluorobenzene	11.40	95	178101	58.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	89684	23.28	ug/l	97
3) Chloromethane	1.09	50	59092	24.74	ug/l	99
4) Vinyl Chloride	1.14	62	50269	23.52	ug/l	97
5) Bromomethane	1.31	94	29093	21.43	ug/l	90
6) Chloroethane	1.37	64	18083	21.63	ug/l	100
7) Trichlorofluoromethane	1.49	101	100884m	21.35	ug/l	
8) Diethyl Ether	1.62	74	12294	20.30	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.81	101	50512	22.68	ug/l	92
10) Methyl Iodide	1.88	142	77421m	21.67	ug/l	
11) Tert butyl alcohol	2.55	59	12122	108.50	ug/l	94
12) 1,1-Dichloroethene	1.77	96	40334	22.97	ug/l	96
13) Acrolein	1.99	56	11691	114.44	ug/l	94
14) Allyl chloride	2.09	41	68499	22.27	ug/l	88
15) Acrylonitrile	2.93	53	27665	116.20	ug/l	# 94
16) Acetone	2.23	43	54035	102.98	ug/l	94
17) Carbon Disulfide	1.81	76	117691m	22.18	ug/l	
18) Methyl Acetate	2.33	43	21599m	25.07	ug/l	
19) Methyl tert-butyl Ether	2.41	73	88154	20.93	ug/l	98
20) Methylene Chloride	2.17	84	46401m	25.19	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	43019	23.45	ug/l	94
22) Diisopropyl ether	2.79	45	133307	22.45	ug/l	99
23) Vinyl Acetate	3.17	43	319089	114.10	ug/l	98
24) 1,1-Dichloroethane	2.86	63	81928	22.79	ug/l	97
25) 2-Butanone	4.31	43	97098	112.50	ug/l	98
26) 2,2-Dichloropropane	3.58	77	61563	21.76	ug/l	90
27) cis-1,2-Dichloroethene	3.46	96	69616	22.31	ug/l	90
28) Bromochloromethane	3.69	49	41251	22.08	ug/l	96
29) Tetrahydrofuran	4.05	42	39334	110.48	ug/l	97
30) Chloroform	3.84	83	121549	21.07	ug/l	93
31) Cyclohexane	3.68	56	97744	22.40	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	100078	22.03	ug/l	99
36) 1,1-Dichloropropene	4.26	75	94160	23.54	ug/l	95
37) Ethyl Acetate	4.09	43	35736	24.03	ug/l	85
38) Carbon Tetrachloride	3.97	117	82088	21.15	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	106893	23.03	ug/l	96
40) Benzene	4.61	78	211916	23.76	ug/l	100
41) Methacrylonitrile	4.72	41	18258	20.47	ug/l #	92
42) 1,2-Dichloroethane	4.92	62	67190	21.80	ug/l	93
43) Isopropyl Acetate	6.94	43	38563	19.56	ug/l #	91
44) Trichloroethene	5.48	130	63146	22.44	ug/l	94
45) 1,2-Dichloropropane	6.21	63	53252	22.95	ug/l	98
46) Dibromomethane	6.06	93	34613	22.60	ug/l	96
47) Bromodichloromethane	6.37	83	84553	21.62	ug/l	97
48) Methyl methacrylate	6.70	41	27187	20.83	ug/l	97
49) 1,4-Dioxane	6.68	88	6225	510.03	ug/l	90
51) 4-Methyl-2-Pentanone	8.24	43	153593	107.70	ug/l	96
52) Toluene	7.60	92	121527	20.34	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	69450	22.17	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	88663	21.79	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	36645	21.46	ug/l	95
56) Ethyl methacrylate	8.60	69	39173	20.20	ug/l	92
57) 1,3-Dichloropropane	8.83	76	64112	21.67	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.60	63	18983	107.17	ug/l	100
59) 2-Hexanone	9.48	43	105095	104.86	ug/l	95
60) Dibromochloromethane	8.70	129	52550	21.60	ug/l	98
61) 1,2-Dibromoethane	8.96	107	38917	21.67	ug/l	97
64) Tetrachloroethene	8.13	164	55124	20.73	ug/l	95
65) Chlorobenzene	9.78	112	137266	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	63467	21.47	ug/l	95
67) Ethyl Benzene	9.88	91	273755	21.43	ug/l	99
68) m/p-Xylenes	10.12	106	192169	42.09	ug/l	97
69) o-Xylene	10.70	106	108739	21.18	ug/l	97
70) Styrene	10.78	104	150154	21.56	ug/l	99
71) Bromoform	10.76	173	27823	20.93	ug/l	97
73) Isopropylbenzene	11.11	105	326176	21.43	ug/l	97
74) N-amyl acetate	11.36	43	74050	21.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50031	19.88	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	41689	22.31	ug/l	95
77) Bromobenzene	11.49	156	66765	21.07	ug/l	90
78) n-propylbenzene	11.59	91	383431	21.60	ug/l	98
79) 2-Chlorotoluene	11.70	91	217900	21.12	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	228875	18.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	18263m	19.89	ug/l	
82) 4-Chlorotoluene	11.88	91	223564	21.15	ug/l	96
83) tert-Butylbenzene	12.12	119	293682	22.89	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	271040	21.69	ug/l	92
85) sec-Butylbenzene	12.30	105	382668	21.99	ug/l	99
86) p-Isopropyltoluene	12.44	119	323122	22.23	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	136550	21.66	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	128883	21.27	ug/l	95
89) n-Butylbenzene	12.83	91	333559	22.49	ug/l	95
90) Hexachloroethane	12.91	117	74859	21.06	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	122442	20.63	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	9463	20.01	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	89616	21.00	ug/l	90
94) Hexachlorobutadiene	14.18	225	60710	21.77	ug/l	94
95) Naphthalene	14.45	128	152834	19.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	84594	21.46	ug/l	98

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

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