

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060852.D
 Acq On : 28 Nov 2018 12:22
 Operator : VA/AP
 Sample : VF1128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBS01

Manual Integrations
 APPROVED

apatel
 11/29/2018 2:54:38 PM

Quant Time: Nov 29 03:48:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	220963	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	376389	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	343754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	182187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	132102	50.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	4.13	113	145090	48.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	7.57	98	436517	49.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.43	95	199643	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	74403	22.52	ug/l	94
3) Chloromethane	1.10	50	52248	24.30	ug/l	96
4) Vinyl Chloride	1.14	62	46223	23.05	ug/l	98
5) Bromomethane	1.32	94	29870	21.12	ug/l	97
6) Chloroethane	1.39	64	19562	22.57	ug/l	92
7) Trichlorofluoromethane	1.50	101	91253	21.21	ug/l	97
8) Diethyl Ether	1.64	74	14104	22.80	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45347	20.85	ug/l	93
10) Methyl Iodide	1.90	142	58086	17.57	ug/l	98
11) Tert butyl alcohol	2.58	59	10015	93.86	ug/l	99
12) 1,1-Dichloroethene	1.79	96	38959	22.27	ug/l	96
13) Acrolein	2.01	56	12566	124.29	ug/l	93
14) Allyl chloride	2.10	41	50062	22.96	ug/l	95
15) Acrylonitrile	2.96	53	26847	112.23	ug/l	94
16) Acetone	2.25	43	56539	117.79	ug/l	99
17) Carbon Disulfide	1.83	76	108143	23.05	ug/l	# 91
18) Methyl Acetate	2.36	43	19827	23.75	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	79562	20.19	ug/l	100
20) Methylene Chloride	2.19	84	36891m	20.95	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	38183	22.64	ug/l	92
22) Diisopropyl ether	2.82	45	123873	20.87	ug/l	96
23) Vinyl Acetate	3.20	43	290072	106.91	ug/l	98
24) 1,1-Dichloroethane	2.88	63	75138	21.28	ug/l	98
25) 2-Butanone	4.36	43	89669	108.00	ug/l	97
26) 2,2-Dichloropropane	3.62	77	43647	19.06	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	57685	21.01	ug/l	97
28) Bromochloromethane	3.74	49	34852	20.56	ug/l	97
29) Tetrahydrofuran	4.09	42	37467	106.46	ug/l	96
30) Chloroform	3.88	83	109120	20.08	ug/l	98
31) Cyclohexane	3.71	56	77678m	21.19	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	76510	20.30	ug/l	94
36) 1,1-Dichloropropene	4.30	75	82598	19.79	ug/l	98
37) Ethyl Acetate	4.13	43	36504	21.52	ug/l	# 94
38) Carbon Tetrachloride	4.01	117	69717	18.91	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	89574	20.47	ug/l	98
40) Benzene	4.65	78	183766	19.92	ug/l	96
41) Methacrylonitrile	4.76	41	18895	19.12	ug/l #	91
42) 1,2-Dichloroethane	4.97	62	62682	18.62	ug/l	98
43) Isopropyl Acetate	6.98	43	45225	19.97	ug/l #	94
44) Trichloroethene	5.52	130	63363	21.01	ug/l	98
45) 1,2-Dichloropropane	6.26	63	49426	20.63	ug/l	98
46) Dibromomethane	6.10	93	30420	18.72	ug/l	90
47) Bromodichloromethane	6.41	83	82626	19.15	ug/l	99
48) Methyl methacrylate	6.74	41	28959	18.86	ug/l	90
49) 1,4-Dioxane	6.74	88	4243	377.53	ug/l #	79
51) 4-Methyl-2-Pentanone	8.27	43	155483	99.38	ug/l	97
52) Toluene	7.64	92	125604	19.39	ug/l	95
53) t-1,3-Dichloropropene	8.30	75	64896	18.49	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	88263	20.31	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	35672	18.90	ug/l	93
56) Ethyl methacrylate	8.64	69	42425	20.23	ug/l	95
57) 1,3-Dichloropropane	8.88	76	67376	20.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	18693	87.15	ug/l	91
59) 2-Hexanone	9.52	43	115939	105.63	ug/l	96
60) Dibromochloromethane	8.74	129	51942	18.47	ug/l	96
61) 1,2-Dibromoethane	9.01	107	39736	19.49	ug/l	98
64) Tetrachloroethene	8.18	164	51877	19.76	ug/l	98
65) Chlorobenzene	9.82	112	134525	20.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	58493	20.35	ug/l	92
67) Ethyl Benzene	9.92	91	268681	21.58	ug/l	99
68) m/p-Xylenes	10.16	106	193319	43.17	ug/l	99
69) o-Xylene	10.73	106	103068	20.87	ug/l	90
70) Styrene	10.81	104	149125	21.79	ug/l	98
71) Bromoform	10.80	173	28185	20.30	ug/l	94
73) Isopropylbenzene	11.15	105	312407	21.70	ug/l	97
74) N-amyl acetate	11.39	43	71139	21.40	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	52034	21.96	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	38613	22.42	ug/l	95
77) Bromobenzene	11.51	156	62691	19.86	ug/l	76
78) n-propylbenzene	11.61	91	366332	21.73	ug/l	98
79) 2-Chlorotoluene	11.74	91	207290	21.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	251311	21.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	15348m	18.19	ug/l	
82) 4-Chlorotoluene	11.91	91	209030	20.55	ug/l	98
83) tert-Butylbenzene	12.15	119	256083	21.51	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	240274	20.60	ug/l	100
85) sec-Butylbenzene	12.32	105	347318	21.31	ug/l	95
86) p-Isopropyltoluene	12.48	119	293318	21.47	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	127771	21.28	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	114386	19.55	ug/l	98
89) n-Butylbenzene	12.86	91	300867	21.78	ug/l	97
90) Hexachloroethane	12.93	117	66000	20.06	ug/l	90
91) 1,2-Dichlorobenzene	12.96	146	115796	20.37	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8499	18.55	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	82004	20.64	ug/l	93
94) Hexachlorobutadiene	14.20	225	50901	19.22	ug/l	97
95) Naphthalene	14.47	128	152176	17.46	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	68945	18.69	ug/l	96

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

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