

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059209.D
 Acq On : 20 Jun 2018 2:35
 Operator : VA/AP
 Sample : VF0619SBS02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Manual Integrations
 APPROVED

apatel
 6/20/2018 11:19:07 AM

Quant Time: Jun 20 05:46:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	263631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	407421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	395239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	239355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	177091	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	4.29	113	159284	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	7.71	98	393220	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.50	95	211725	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56078	18.79	ug/l	98
3) Chloromethane	1.08	50	39716	17.18	ug/l	98
4) Vinyl Chloride	1.14	62	39552	18.97	ug/l	98
5) Bromomethane	1.34	94	25618	21.08	ug/l	97
6) Chloroethane	1.43	64	18617	21.52	ug/l #	84
7) Trichlorofluoromethane	1.49	101	64061m	19.76	ug/l	
8) Diethyl Ether	1.70	74	17857	21.90	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44895	21.73	ug/l	96
10) Methyl Iodide	1.96	142	74579	20.63	ug/l	92
11) Tert butyl alcohol	2.68	59	21289	103.92	ug/l	95
12) 1,1-Dichloroethene	1.85	96	36347	20.92	ug/l	80
13) Acrolein	2.09	56	12752	71.92	ug/l	96
14) Allyl chloride	2.19	41	64460	18.91	ug/l	90
15) Acrylonitrile	3.07	53	40927	100.59	ug/l	94
16) Acetone	2.33	43	67326	88.19	ug/l	93
17) Carbon Disulfide	1.87	76	85518m	17.53	ug/l	
18) Methyl Acetate	2.45	43	29359m	22.37	ug/l	
19) Methyl tert-butyl Ether	2.54	73	123454	22.89	ug/l	95
20) Methylene Chloride	2.28	84	44975m	24.61	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	39353	20.66	ug/l	97
22) Diisopropyl ether	2.93	45	146946	21.93	ug/l	99
23) Vinyl Acetate	3.33	43	490797	111.07	ug/l	99
24) 1,1-Dichloroethane	2.99	63	88355	21.75	ug/l	99
25) 2-Butanone	4.50	43	106207	89.74	ug/l	96
26) 2,2-Dichloropropane	3.76	77	56568	19.19	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	58551	19.97	ug/l	94
28) Bromochloromethane	3.88	49	42324	23.14	ug/l #	95
29) Tetrahydrofuran	4.25	42	55062	105.59	ug/l	98
30) Chloroform	4.03	83	121371	20.88	ug/l	92
31) Cyclohexane	3.86	56	65177	18.36	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	93337	21.51	ug/l	94
36) 1,1-Dichloropropene	4.45	75	78562	19.89	ug/l	96
37) Ethyl Acetate	4.29	43	56952	23.34	ug/l	97
38) Carbon Tetrachloride	4.17	117	102630	23.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	78259	19.44	ug/l	97
40) Benzene	4.81	78	184834	20.16	ug/l	100
41) Methacrylonitrile	4.92	41	26578	22.17	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	98855	24.05	ug/l	99
43) Isopropyl Acetate	7.11	43	65575	20.07	ug/l #	98
44) Trichloroethene	5.67	130	61652	21.53	ug/l	92
45) 1,2-Dichloropropane	6.40	63	53327	20.18	ug/l	99
46) Dibromomethane	6.25	93	41274	20.76	ug/l #	86
47) Bromodichloromethane	6.54	83	103967	22.98	ug/l	96
48) Methyl methacrylate	6.87	41	44614	22.15	ug/l	91
49) 1,4-Dioxane	6.87	88	5285	343.91	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	242688	108.35	ug/l	95
52) Toluene	7.78	92	133253	20.18	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	95231	21.74	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	102560	20.38	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	51356	21.47	ug/l	97
56) Ethyl methacrylate	8.75	69	61424	20.37	ug/l	96
57) 1,3-Dichloropropane	9.00	76	88433	21.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	22085	102.42	ug/l	100
59) 2-Hexanone	9.63	43	192065	108.41	ug/l	96
60) Dibromochloromethane	8.86	129	74817	21.76	ug/l	97
61) 1,2-Dibromoethane	9.14	107	58162	20.92	ug/l	95
64) Tetrachloroethene	8.30	164	69801	24.08	ug/l	94
65) Chlorobenzene	9.93	112	166936	21.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	69914	22.46	ug/l	95
67) Ethyl Benzene	10.03	91	289181	21.26	ug/l	95
68) m/p-Xylenes	10.26	106	205309	40.32	ug/l	92
69) o-Xylene	10.82	106	116679	21.20	ug/l	99
70) Styrene	10.90	104	172645	20.74	ug/l	99
71) Bromoform	10.89	173	48723	23.04	ug/l #	89
73) Isopropylbenzene	11.23	105	339614	20.49	ug/l	99
74) N-amyl acetate	11.46	43	118617	20.04	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	80186	20.41	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	60694	20.92	ug/l	97
77) Bromobenzene	11.59	156	84622	20.29	ug/l	91
78) n-propylbenzene	11.68	91	397698	20.28	ug/l	94
79) 2-Chlorotoluene	11.81	91	233525	20.15	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	282300	20.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	33372	17.74	ug/l	89
82) 4-Chlorotoluene	11.98	91	253035	20.51	ug/l	94
83) tert-Butylbenzene	12.21	119	283224	20.80	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	305251	21.48	ug/l	92
85) sec-Butylbenzene	12.39	105	381948	20.64	ug/l	100
86) p-Isopropyltoluene	12.54	119	323182	21.26	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	158340	20.56	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	157236	21.19	ug/l	96
89) n-Butylbenzene	12.91	91	326274	18.75	ug/l	92
90) Hexachloroethane	12.99	117	79010	21.11	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	158971	21.43	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16013	20.78	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	115080	22.18	ug/l	95
94) Hexachlorobutadiene	14.25	225	65938	21.96	ug/l	91
95) Naphthalene	14.52	128	239982	21.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	108266	22.58	ug/l	96

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

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