

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059823.D
 Acq On : 3 Aug 2018 3:30
 Operator : VA/AP
 Sample : VF0802SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Manual Integrations
 APPROVED

apatel
 8/3/2018 4:02:59 PM

Quant Time: Aug 03 08:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	181127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	269183	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	257634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	162011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	163028	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	4.29	113	133038	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	7.71	98	310263	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.51	95	170481	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57517	25.48	ug/l	96
3) Chloromethane	1.08	50	26865	22.87	ug/l	99
4) Vinyl Chloride	1.15	62	29935	24.81	ug/l	100
5) Bromomethane	1.34	94	22655	22.24	ug/l	92
6) Chloroethane	1.42	64	17559	23.40	ug/l #	79
7) Trichlorofluoromethane	1.53	101	67550m	19.97	ug/l	
8) Diethyl Ether	1.70	74	13188	22.80	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	39906	22.53	ug/l	98
10) Methyl Iodide	1.97	142	66449	24.72	ug/l	95
11) Tert butyl alcohol	2.70	59	13020	98.31	ug/l #	79
12) 1,1-Dichloroethene	1.85	96	35550	25.34	ug/l	90
13) Acrolein	2.10	56	4774m	81.04	ug/l	
14) Allyl chloride	2.19	41	53895	24.07	ug/l	85
15) Acrylonitrile	3.07	53	29150	138.62	ug/l	88
16) Acetone	2.34	43	48594	82.99	ug/l	97
17) Carbon Disulfide	1.88	76	77265m	24.07	ug/l	
18) Methyl Acetate	2.45	43	29876	30.99	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	93531	21.87	ug/l	97
20) Methylene Chloride	2.27	84	36109m	24.69	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	33017	25.65	ug/l	94
22) Diisopropyl ether	2.92	45	107274	22.65	ug/l	94
23) Vinyl Acetate	3.33	43	244350	100.35	ug/l	98
24) 1,1-Dichloroethane	2.99	63	75600	22.98	ug/l	98
25) 2-Butanone	4.51	43	64163	98.19	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	45946	19.59	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	39230	22.26	ug/l	86
28) Bromochloromethane	3.89	49	25425	19.38	ug/l	86
29) Tetrahydrofuran	4.27	42	28747	114.46	ug/l	98
30) Chloroform	4.03	83	99447	21.42	ug/l	88
31) Cyclohexane	3.87	56	41625	23.95	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	75697	21.01	ug/l	95
36) 1,1-Dichloropropene	4.45	75	60118	19.66	ug/l	99
37) Ethyl Acetate	4.29	43	32041	21.18	ug/l #	70
38) Carbon Tetrachloride	4.17	117	86132m	20.13	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	51457	22.37	ug/l	93
40) Benzene	4.81	78	115053	21.16	ug/l	92
41) Methacrylonitrile	4.92	41	15756	21.66	ug/l	96
42) 1,2-Dichloroethane	5.11	62	77471	20.36	ug/l	99
43) Isopropyl Acetate	7.11	43	32241	20.03	ug/l #	98
44) Trichloroethene	5.67	130	44349	21.30	ug/l	91
45) 1,2-Dichloropropane	6.39	63	32534	22.66	ug/l	92
46) Dibromomethane	6.26	93	26902	19.74	ug/l	89
47) Bromodichloromethane	6.54	83	75587	20.36	ug/l	99
48) Methyl methacrylate	6.87	41	22873	18.89	ug/l	90
49) 1,4-Dioxane	6.88	88	3343	404.47	ug/l #	75
51) 4-Methyl-2-Pentanone	8.41	43	127660	104.26	ug/l	98
52) Toluene	7.77	92	81241	20.91	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	61833	19.20	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	64130	20.56	ug/l #	91
55) 1,1,2-Trichloroethane	8.63	97	29372	19.95	ug/l	93
56) Ethyl methacrylate	8.76	69	30241	19.70	ug/l	92
57) 1,3-Dichloropropane	9.00	76	51860	20.53	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17945	101.23	ug/l	100
59) 2-Hexanone	9.63	43	87975	89.66	ug/l	99
60) Dibromochloromethane	8.86	129	54209	20.87	ug/l	99
61) 1,2-Dibromoethane	9.13	107	36013	20.95	ug/l	98
64) Tetrachloroethene	8.30	164	49594	26.43	ug/l	92
65) Chlorobenzene	9.93	112	113543	22.03	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	51771	21.52	ug/l	94
67) Ethyl Benzene	10.03	91	192284	21.56	ug/l	92
68) m/p-Xylenes	10.27	106	140271	46.10	ug/l	98
69) o-Xylene	10.83	106	75363	22.94	ug/l	84
70) Styrene	10.90	104	106289	21.35	ug/l	96
71) Bromoform	10.89	173	32001	20.41	ug/l	85
73) Isopropylbenzene	11.22	105	231811	21.81	ug/l	100
74) N-amyl acetate	11.46	43	51845	19.33	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	43069	21.52	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	37186	21.85	ug/l	99
77) Bromobenzene	11.59	156	58499	21.07	ug/l	96
78) n-propylbenzene	11.69	91	278223	22.81	ug/l	100
79) 2-Chlorotoluene	11.81	91	169236	22.24	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	214756	22.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	14022m	19.90	ug/l	
82) 4-Chlorotoluene	11.98	91	176236	21.79	ug/l	98
83) tert-Butylbenzene	12.21	119	227461	23.84	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	214643	22.60	ug/l	98
85) sec-Butylbenzene	12.39	105	284837	23.36	ug/l	99
86) p-Isopropyltoluene	12.54	119	242232	22.52	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	112363	21.46	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	110581	21.79	ug/l	97
89) n-Butylbenzene	12.92	91	225699	21.89	ug/l	96
90) Hexachloroethane	12.99	117	57422	21.42	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	109487	22.27	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10297	21.05	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	83241	20.79	ug/l	97
94) Hexachlorobutadiene	14.25	225	60038	22.59	ug/l	97
95) Naphthalene	14.52	128	149718	21.43	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	79490	20.59	ug/l	92

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

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