

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059776.D
 Acq On : 2 Aug 2018 2:35
 Operator : VA/AP
 Sample : VF0801SBS02
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Manual Integrations
 APPROVED

apatel
 8/10/2018 3:51:06 PM

Quant Time: Aug 02 07:42:11 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	5.05	168	167069	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	239850	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	240561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	164244	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	4.29	113	129774	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	7.71	98	293088	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.52	95	164397	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	56575	27.59	ug/l	98
3) Chloromethane	1.08	50	27713	26.22	ug/l	89
4) Vinyl Chloride	1.15	62	26258	23.40	ug/l	90
5) Bromomethane	1.33	94	23516	25.61	ug/l	96
6) Chloroethane	1.41	64	18132	26.76	ug/l	88
7) Trichlorofluoromethane	1.53	101	74050m	23.73	ug/l	
8) Diethyl Ether	1.71	74	12369	23.19	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	38141	23.34	ug/l	96
10) Methyl Iodide	1.96	142	63990	25.99	ug/l	97
11) Tert butyl alcohol	2.70	59	11806	96.62	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	31338	24.22	ug/l	82
13) Acrolein	2.09	56	3396m	66.18	ug/l	
14) Allyl chloride	2.19	41	46598	22.56	ug/l #	98
15) Acrylonitrile	3.08	53	24138	124.45	ug/l #	89
16) Acetone	2.34	43	48645	90.07	ug/l	98
17) Carbon Disulfide	1.90	76	77900m	26.88	ug/l	
18) Methyl Acetate	2.46	43	28633m	32.41	ug/l	
19) Methyl tert-butyl Ether	2.54	73	88556	22.44	ug/l	96
20) Methylene Chloride	2.28	84	33506	24.88	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	29306	24.58	ug/l	85
22) Diisopropyl ether	2.93	45	99673	22.82	ug/l	96
23) Vinyl Acetate	3.34	43	226233	100.73	ug/l	98
24) 1,1-Dichloroethane	3.00	63	71430	23.54	ug/l #	97
25) 2-Butanone	4.52	43	60437	100.27	ug/l #	81
26) 2,2-Dichloropropane	3.76	77	47976	22.18	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	37341	22.98	ug/l	93
28) Bromochloromethane	3.89	49	27056	23.14	ug/l	91
29) Tetrahydrofuran	4.26	42	24393	105.30	ug/l	98
30) Chloroform	4.03	83	100636	23.49	ug/l	96
31) Cyclohexane	3.87	56	38588	24.10	ug/l #	92
32) 1,1,1-Trichloroethane	4.27	97	81565	24.55	ug/l	94
36) 1,1-Dichloropropene	4.46	75	57876	21.59	ug/l	94
37) Ethyl Acetate	4.30	43	27831	20.52	ug/l	85
38) Carbon Tetrachloride	4.16	117	84773m	22.23	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	47864	23.56	ug/l	98
40) Benzene	4.81	78	106556	22.00	ug/l	98
41) Methacrylonitrile	4.92	41	15876	24.88	ug/l	91
42) 1,2-Dichloroethane	5.12	62	72992	21.53	ug/l	95
43) Isopropyl Acetate	7.12	43	28074	19.57	ug/l #	91
44) Trichloroethene	5.67	130	43356	23.95	ug/l	77
45) 1,2-Dichloropropane	6.41	63	27943	21.84	ug/l	93
46) Dibromomethane	6.25	93	27375	22.54	ug/l #	87
47) Bromodichloromethane	6.55	83	74759	22.61	ug/l	98
48) Methyl methacrylate	6.88	41	18894	17.51	ug/l #	89
49) 1,4-Dioxane	6.87	88	2294	288.66	ug/l #	58
51) 4-Methyl-2-Pentanone	8.41	43	120320	110.29	ug/l	94
52) Toluene	7.78	92	78891	23.04	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	62778	21.88	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	60266	21.68	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	28920	22.05	ug/l	95
56) Ethyl methacrylate	8.77	69	26806	19.59	ug/l	99
57) 1,3-Dichloropropane	9.00	76	49333	21.92	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	17395	110.13	ug/l	100
59) 2-Hexanone	9.63	43	79909	91.40	ug/l	98
60) Dibromochloromethane	8.86	129	51163	22.10	ug/l	99
61) 1,2-Dibromoethane	9.14	107	34265	22.37	ug/l	93
64) Tetrachloroethene	8.30	164	47723	27.39	ug/l	96
65) Chlorobenzene	9.94	112	104355	21.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	50013	22.26	ug/l	92
67) Ethyl Benzene	10.04	91	187158	22.48	ug/l	95
68) m/p-Xylenes	10.27	106	134101	47.40	ug/l	99
69) o-Xylene	10.84	106	73244	23.87	ug/l	98
70) Styrene	10.91	104	106307	22.87	ug/l	96
71) Bromoform	10.90	173	32320	22.08	ug/l	97
73) Isopropylbenzene	11.23	105	229394	22.08	ug/l	98
74) N-amyl acetate	11.47	43	48277	18.42	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	42325	21.64	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	36480	21.93	ug/l	96
77) Bromobenzene	11.60	156	61115	22.52	ug/l	95
78) n-propylbenzene	11.69	91	282241	23.88	ug/l	99
79) 2-Chlorotoluene	11.81	91	166108	22.35	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	215627	23.60	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	13655m	19.83	ug/l	
82) 4-Chlorotoluene	11.99	91	177245	22.55	ug/l	95
83) tert-Butylbenzene	12.22	119	203914	21.86	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	218056	23.69	ug/l	97
85) sec-Butylbenzene	12.39	105	270889	22.57	ug/l	100
86) p-Isopropyltoluene	12.54	119	241765	23.12	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	116523	23.16	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	111456	22.61	ug/l	97
89) n-Butylbenzene	12.92	91	231592	23.31	ug/l	91
90) Hexachloroethane	13.00	117	61598	23.50	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	111790	23.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9857	20.62	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	81502	20.84	ug/l	96
94) Hexachlorobutadiene	14.26	225	58211	22.41	ug/l	97
95) Naphthalene	14.52	128	153347	22.46	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	78381	20.77	ug/l	96

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

