

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059839.D
 Acq On : 3 Aug 2018 15:25
 Operator : VA/AP
 Sample : VF0803SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:07:43 AM

Quant Time: Aug 03 16:20:05 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	189200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	281822	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	175703	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	4.28	113	149382	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	7.70	98	338274	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.51	95	180799	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	50497	20.41	ug/l	98
3) Chloromethane	1.09	50	29115	23.93	ug/l	93
4) Vinyl Chloride	1.16	62	29278	22.98	ug/l	94
5) Bromomethane	1.33	94	22878	21.35	ug/l	97
6) Chloroethane	1.42	64	16175	20.07	ug/l	92
7) Trichlorofluoromethane	1.53	101	62448m	17.67	ug/l	
8) Diethyl Ether	1.70	74	14380	23.80	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	37559	20.30	ug/l	98
10) Methyl Iodide	1.97	142	64169	22.55	ug/l	86
11) Tert butyl alcohol	2.68	59	17168	124.49	ug/l #	85
12) 1,1-Dichloroethene	1.86	96	31352	21.40	ug/l	89
13) Acrolein	2.23	56	246	19.27	ug/l	83
14) Allyl chloride	2.18	41	46852	20.03	ug/l	88
15) Acrylonitrile	3.07	53	30356	138.20	ug/l #	82
16) Acetone	2.34	43	73927	120.87	ug/l	99
17) Carbon Disulfide	1.89	76	74904m	21.89	ug/l	
18) Methyl Acetate	2.45	43	35817	36.38	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	98224	21.98	ug/l	98
20) Methylene Chloride	2.27	84	37585m	24.57	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32054	23.65	ug/l	95
22) Diisopropyl ether	2.92	45	108287	21.89	ug/l	98
23) Vinyl Acetate	3.33	43	281186	110.56	ug/l	97
24) 1,1-Dichloroethane	2.99	63	71550	20.82	ug/l	98
25) 2-Butanone	4.50	43	77291	113.24	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	48732	19.89	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	42221	22.94	ug/l	96
28) Bromochloromethane	3.88	49	29270	21.88	ug/l #	92
29) Tetrahydrofuran	4.24	42	34698	132.26	ug/l	98
30) Chloroform	4.03	83	106056	21.86	ug/l	91
31) Cyclohexane	3.84	56	39581	21.40	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	73832	19.62	ug/l	94
36) 1,1-Dichloropropene	4.45	75	59262	18.26	ug/l	95
37) Ethyl Acetate	4.28	43	35879	23.01	ug/l #	93
38) Carbon Tetrachloride	4.15	117	93015	20.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.61	83	48272	19.55	ug/l #	85
40) Benzene	4.80	78	118208	20.77	ug/l	97
41) Methacrylonitrile	4.91	41	17743	23.52	ug/l	91
42) 1,2-Dichloroethane	5.11	62	78980	19.83	ug/l	95
43) Isopropyl Acetate	7.11	43	36732	21.80	ug/l	96
44) Trichloroethene	5.66	130	45962	21.03	ug/l	99
45) 1,2-Dichloropropane	6.39	63	34958	23.26	ug/l	94
46) Dibromomethane	6.24	93	30320	21.25	ug/l #	78
47) Bromodichloromethane	6.54	83	76962	19.81	ug/l	95
48) Methyl methacrylate	6.86	41	25400	20.04	ug/l	95
49) 1,4-Dioxane	6.85	88	4465	537.63	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	146111	113.98	ug/l	94
52) Toluene	7.77	92	88029	21.74	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	66714	19.79	ug/l #	87
54) cis-1,3-Dichloropropene	7.45	75	68728	21.04	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	33882	21.98	ug/l	94
56) Ethyl methacrylate	8.76	69	33330	20.73	ug/l	96
57) 1,3-Dichloropropane	8.99	76	53626	20.28	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	18062	97.32	ug/l	100
59) 2-Hexanone	9.62	43	112136	109.16	ug/l	97
60) Dibromochloromethane	8.86	129	53918	19.82	ug/l	93
61) 1,2-Dibromoethane	9.13	107	37425	20.79	ug/l #	77
64) Tetrachloroethene	8.29	164	44439	21.04	ug/l	97
65) Chlorobenzene	9.93	112	119195	21.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	51678	19.84	ug/l	96
67) Ethyl Benzene	10.03	91	197066	20.41	ug/l	99
68) m/p-Xylenes	10.27	106	138323	41.22	ug/l	98
69) o-Xylene	10.83	106	80108	22.52	ug/l	81
70) Styrene	10.90	104	107952	20.03	ug/l	97
71) Bromoform	10.89	173	34016	20.04	ug/l	99
73) Isopropylbenzene	11.22	105	238359	20.56	ug/l	100
74) N-amyl acetate	11.46	43	61753	21.11	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	49605	22.73	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	40097	21.61	ug/l	98
77) Bromobenzene	11.59	156	63316	20.91	ug/l	96
78) n-propylbenzene	11.68	91	282037	20.81	ug/l	99
79) 2-Chlorotoluene	11.81	91	167207	19.69	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	216068	20.66	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	16660m	21.68	ug/l	
82) 4-Chlorotoluene	11.98	91	186795	21.06	ug/l	99
83) tert-Butylbenzene	12.21	119	219595	21.10	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	216726	20.56	ug/l	97
85) sec-Butylbenzene	12.38	105	271039	19.61	ug/l	97
86) p-Isopropyltoluene	12.53	119	241558	20.05	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	118919	20.64	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	117797	21.18	ug/l	97
89) n-Butylbenzene	12.92	91	236966	20.83	ug/l	95
90) Hexachloroethane	13.00	117	59138	20.22	ug/l	74
91) 1,2-Dichlorobenzene	13.02	146	113514	20.94	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13003	24.37	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	91870	21.10	ug/l	95
94) Hexachlorobutadiene	14.26	225	59133	20.40	ug/l	99
95) Naphthalene	14.51	128	161715	21.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	88102	20.92	ug/l	99

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

