

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059908.D
 Acq On : 7 Aug 2018 8:03
 Operator : VA/AP
 Sample : VF0807SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Manual Integrations
 APPROVED

apatel
 8/8/2018 11:38:20 AM

Quant Time: Aug 07 09:07:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	171678	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	240465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	240904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	172523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	172799	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
35) Dibromofluoromethane	4.30	113	127976	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	7.72	98	270671	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	11.52	95	167678	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	66096	22.53	ug/l	91
3) Chloromethane	1.09	50	25255	18.61	ug/l	97
4) Vinyl Chloride	1.16	62	26243	18.88	ug/l	92
5) Bromomethane	1.34	94	26861	20.47	ug/l	95
6) Chloroethane	1.43	64	19523	22.36	ug/l #	78
7) Trichlorofluoromethane	1.53	101	89678m	23.57	ug/l	
8) Diethyl Ether	1.71	74	11290	18.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	40434	19.26	ug/l	91
10) Methyl Iodide	1.97	142	67189	20.83	ug/l	98
11) Tert butyl alcohol	2.69	59	13367	107.07	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	31858	20.77	ug/l	90
13) Acrolein	2.09	56	4391	58.69	ug/l	95
14) Allyl chloride	2.19	41	47350	18.52	ug/l	87
15) Acrylonitrile	3.08	53	22665	99.07	ug/l #	78
16) Acetone	2.34	43	63755	111.58	ug/l	98
17) Carbon Disulfide	1.89	76	81546	19.92	ug/l #	93
18) Methyl Acetate	2.46	43	20695	21.47	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	91191	21.00	ug/l	98
20) Methylene Chloride	2.28	84	44545m	28.79	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	32391	21.26	ug/l	100
22) Diisopropyl ether	2.93	45	98767	20.08	ug/l	99
23) Vinyl Acetate	3.34	43	249768	104.90	ug/l	97
24) 1,1-Dichloroethane	3.01	63	77678	21.69	ug/l	99
25) 2-Butanone	4.52	43	66436	106.93	ug/l	95
26) 2,2-Dichloropropane	3.77	77	41534	19.92	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	35741	20.87	ug/l	86
28) Bromochloromethane	3.89	49	25011	19.77	ug/l	91
29) Tetrahydrofuran	4.26	42	25384	110.98	ug/l	92
30) Chloroform	4.04	83	104587	21.58	ug/l	95
31) Cyclohexane	3.88	56	33946	19.15	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	81662	21.06	ug/l	96
36) 1,1-Dichloropropene	4.47	75	57559	20.69	ug/l	93
37) Ethyl Acetate	4.30	43	28286	23.69	ug/l #	97
38) Carbon Tetrachloride	4.18	117	91341m	22.94	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	44842	21.50	ug/l	92
40) Benzene	4.82	78	99869	19.03	ug/l	97
41) Methacrylonitrile	4.92	41	11396	18.08	ug/l #	81
42) 1,2-Dichloroethane	5.13	62	82473	21.41	ug/l	99
43) Isopropyl Acetate	7.12	43	26046	21.18	ug/l #	98
44) Trichloroethene	5.68	130	38774	20.93	ug/l	83
45) 1,2-Dichloropropane	6.42	63	25847	20.25	ug/l	99
46) Dibromomethane	6.26	93	27051	21.00	ug/l	90
47) Bromodichloromethane	6.56	83	78870	22.39	ug/l	98
48) Methyl methacrylate	6.88	41	20512	21.44	ug/l #	82
49) 1,4-Dioxane	6.87	88	2289	386.68	ug/l	99
51) 4-Methyl-2-Pentanone	8.41	43	142942	113.69	ug/l	95
52) Toluene	7.79	92	74828	21.30	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	59829	22.33	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	56902	20.58	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	26887	21.26	ug/l	93
56) Ethyl methacrylate	8.77	69	24488	19.83	ug/l	98
57) 1,3-Dichloropropane	9.01	76	46968	21.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	19093	114.12	ug/l	100
59) 2-Hexanone	9.64	43	100839	113.54	ug/l	98
60) Dibromochloromethane	8.87	129	52491	22.12	ug/l	91
61) 1,2-Dibromoethane	9.15	107	34858	22.62	ug/l	94
64) Tetrachloroethene	8.31	164	50165	24.14	ug/l	95
65) Chlorobenzene	9.95	112	102882	21.04	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	54192	22.28	ug/l	96
67) Ethyl Benzene	10.05	91	184206	21.62	ug/l	100
68) m/p-Xylenes	10.27	106	127291	43.23	ug/l	99
69) o-Xylene	10.84	106	67923	21.77	ug/l	94
70) Styrene	10.91	104	100479	21.58	ug/l	94
71) Bromoform	10.90	173	33261	22.31	ug/l	98
73) Isopropylbenzene	11.24	105	226240	21.05	ug/l	99
74) N-amyl acetate	11.47	43	49392	20.43	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	40158	19.90	ug/l	89
76) 1,2,3-Trichloropropane	11.89	75	39185	22.61	ug/l	96
77) Bromobenzene	11.60	156	59492	20.36	ug/l	91
78) n-propylbenzene	11.69	91	268348	21.15	ug/l	99
79) 2-Chlorotoluene	11.82	91	168131	20.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	210694	21.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	12045m	19.35	ug/l	
82) 4-Chlorotoluene	12.00	91	180977	20.76	ug/l	98
83) tert-Butylbenzene	12.23	119	199269	20.52	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	218447	21.29	ug/l	98
85) sec-Butylbenzene	12.39	105	274461	21.27	ug/l	98
86) p-Isopropyltoluene	12.54	119	237316	21.88	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	118853	21.47	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	114062	20.98	ug/l	94
89) n-Butylbenzene	12.93	91	228464	22.10	ug/l	99
90) Hexachloroethane	13.00	117	63619	21.25	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	112351	21.09	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.72	75	11142	21.91	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	87503	21.63	ug/l	99
94) Hexachlorobutadiene	14.27	225	60137	21.04	ug/l	94
95) Naphthalene	14.53	128	142268	20.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	85657	21.44	ug/l	91

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

