

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060228.D
 Acq On : 10 Sep 2018 12:13
 Operator : VA/AP
 Sample : VF0910SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBS01

Quant Time: Sep 10 13:14:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	162683	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	215510	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	239125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	152237	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	145219	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	4.29	113	113478	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	7.72	98	279422	53.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	11.51	95	157980	53.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	72164	23.27	ug/l	99
3) Chloromethane	1.07	50	37329	22.83	ug/l	97
4) Vinyl Chloride	1.12	62	30929	24.54	ug/l #	85
5) Bromomethane	1.32	94	22916	20.30	ug/l	95
6) Chloroethane	1.39	64	16078	19.92	ug/l	98
7) Trichlorofluoromethane	1.48	101	90701	25.81	ug/l	95
8) Diethyl Ether	1.70	74	9819	18.90	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40251	23.42	ug/l	91
10) Methyl Iodide	1.93	142	29487	19.05	ug/l #	94
11) Tert butyl alcohol	2.67	59	10973	78.54	ug/l #	81
12) 1,1-Dichloroethene	1.83	96	29013	24.81	ug/l	83
13) Acrolein	2.09	56	5956	89.19	ug/l #	75
14) Allyl chloride	2.19	41	48553	27.69	ug/l	95
15) Acrylonitrile	3.07	53	24410	112.97	ug/l	94
16) Acetone	2.34	43	62469	86.30	ug/l	98
17) Carbon Disulfide	1.84	76	84602	24.82	ug/l	96
18) Methyl Acetate	2.44	43	21760	22.66	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	74316	19.21	ug/l #	89
20) Methylene Chloride	2.29	84	29813	15.29	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	28386	23.73	ug/l	87
22) Diisopropyl ether	2.92	45	94735	21.56	ug/l	97
23) Vinyl Acetate	3.33	43	122926	83.06	ug/l	98
24) 1,1-Dichloroethane	3.00	63	78132	27.33	ug/l #	99
25) 2-Butanone	4.50	43	70699	88.51	ug/l	98
26) 2,2-Dichloropropane	3.76	77	70358	19.04	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	36256	23.22	ug/l	86
28) Bromochloromethane	3.89	49	21377	21.96	ug/l	89
29) Tetrahydrofuran	4.25	42	25439	96.33	ug/l	94
30) Chloroform	4.03	83	89661	21.41	ug/l	99
31) Cyclohexane	3.86	56	42549	21.76	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	88035	21.10	ug/l	98
36) 1,1-Dichloropropene	4.45	75	58344	23.00	ug/l	96
37) Ethyl Acetate	4.28	43	24854	17.54	ug/l #	1
38) Carbon Tetrachloride	4.17	117	76610	21.97	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	47718	22.46	ug/l	92
40) Benzene	4.81	78	104548	23.13	ug/l	99
41) Methacrylonitrile	4.92	41	13567	20.56	ug/l #	81
42) 1,2-Dichloroethane	5.12	62	69484	21.27	ug/l	99
43) Isopropyl Acetate	7.12	43	28262	19.16	ug/l #	99
44) Trichloroethene	5.68	130	39522	21.59	ug/l	88
45) 1,2-Dichloropropane	6.41	63	28115	21.89	ug/l	97
46) Dibromomethane	6.26	93	25264	22.34	ug/l	83
47) Bromodichloromethane	6.54	83	68139	22.20	ug/l	95
48) Methyl methacrylate	6.88	41	21958	18.74	ug/l	97
49) 1,4-Dioxane	6.87	88	3492	202.77	ug/l #	71
51) 4-Methyl-2-Pentanone	8.41	43	129450	98.75	ug/l	97
52) Toluene	7.78	92	78975	22.56	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	53774	20.85	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	56622	21.15	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	26256	20.40	ug/l	92
56) Ethyl methacrylate	8.76	69	28572	19.42	ug/l	94
57) 1,3-Dichloropropane	9.00	76	46727	20.42	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	17468	110.38	ug/l	100
59) 2-Hexanone	9.63	43	87889	88.89	ug/l	99
60) Dibromochloromethane	8.86	129	45342	21.27	ug/l	98
61) 1,2-Dibromoethane	9.14	107	31356	20.31	ug/l	85
64) Tetrachloroethene	8.31	164	53189	19.15	ug/l	92
65) Chlorobenzene	9.95	112	104672	21.15	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	41826	19.07	ug/l	96
67) Ethyl Benzene	10.04	91	196877	21.32	ug/l	96
68) m/p-Xylenes	10.27	106	141832	45.78	ug/l	92
69) o-Xylene	10.83	106	73444	22.22	ug/l	93
70) Styrene	10.90	104	109832	21.93	ug/l	99
71) Bromoform	10.89	173	28152	22.23	ug/l #	99
73) Isopropylbenzene	11.23	105	230235	21.92	ug/l	98
74) N-amyl acetate	11.46	43	29309	17.47	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	33526	21.23	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	32216	19.25	ug/l	98
77) Bromobenzene	11.59	156	58095	21.13	ug/l	88
78) n-propylbenzene	11.69	91	283207	22.51	ug/l	95
79) 2-Chlorotoluene	11.82	91	166801	21.94	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	211075	22.77	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	9160	24.79	ug/l	95
82) 4-Chlorotoluene	11.99	91	178010	21.10	ug/l	99
83) tert-Butylbenzene	12.21	119	193804	22.94	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	211427	22.45	ug/l	98
85) sec-Butylbenzene	12.39	105	265916	22.82	ug/l	98
86) p-Isopropyltoluene	12.54	119	227679	22.00	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	111406	22.17	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	108632	21.84	ug/l	97
89) n-Butylbenzene	12.92	91	205103	20.49	ug/l	99
90) Hexachloroethane	12.99	117	48137	22.95	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	104983	22.00	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8923	22.14	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	71742	19.46	ug/l	99
94) Hexachlorobutadiene	14.25	225	55930	21.28	ug/l	98
95) Naphthalene	14.52	128	65796	13.44	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	66089	19.10	ug/l	99

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

