

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056655.D
 Acq On : 23 Feb 2018 14:43
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:58:02 AM

Quant Time: Feb 24 01:02:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	444215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	683629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	664026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	348044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.76	65	289069	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	4.03	113	261908	50.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	7.48	98	745996	48.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.34	95	360855	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	91721	20.47	ug/l	95
3) Chloromethane	1.02	50	88899	17.79	ug/l	99
4) Vinyl Chloride	1.08	62	68758	19.37	ug/l	98
5) Bromomethane	1.25	94	37542	18.91	ug/l	99
6) Chloroethane	1.33	64	22276	15.17	ug/l #	88
7) Trichlorofluoromethane	1.39	101	70762m	19.12	ug/l	
8) Diethyl Ether	1.60	74	25797	19.43	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.78	101	66696	21.28	ug/l	95
10) Methyl Iodide	1.83	142	123793	21.19	ug/l	96
11) Tert butyl alcohol	2.51	59	43702	120.57	ug/l	94
12) 1,1-Dichloroethene	1.74	96	52525	18.19	ug/l	99
13) Acrolein	1.95	56	41823	107.79	ug/l	87
14) Allyl chloride	2.05	41	98323	19.81	ug/l	87
15) Acrylonitrile	2.87	53	97104	106.31	ug/l	95
16) Acetone	2.19	43	167147	105.76	ug/l	97
17) Carbon Disulfide	1.73	76	153054	20.33	ug/l #	90
18) Methyl Acetate	2.30	43	66793m	19.15	ug/l	
19) Methyl tert-butyl Ether	2.38	73	181026	21.20	ug/l	94
20) Methylene Chloride	2.13	84	74057	24.62	ug/l	86
21) trans-1,2-Dichloroethene	2.26	96	57238	18.82	ug/l	97
22) Diisopropyl ether	2.74	45	234371	21.07	ug/l	94
23) Vinyl Acetate	3.13	43	883022	97.55	ug/l	100
24) 1,1-Dichloroethane	2.81	63	130581	21.25	ug/l	99
25) 2-Butanone	4.25	43	268514	95.54	ug/l	98
26) 2,2-Dichloropropane	3.53	77	71144	20.92	ug/l	97
27) cis-1,2-Dichloroethene	3.40	96	97235	19.03	ug/l	95
28) Bromochloromethane	3.64	49	67816	18.30	ug/l #	99
29) Tetrahydrofuran	3.99	42	125768	96.65	ug/l	97
30) Chloroform	3.79	83	175826	19.99	ug/l	98
31) Cyclohexane	3.64	56	118988	18.03	ug/l	91
32) 1,1,1-Trichloroethane	4.01	97	114554	21.50	ug/l	98
36) 1,1-Dichloropropene	4.21	75	118126	18.35	ug/l	96
37) Ethyl Acetate	4.02	43	114776	19.94	ug/l	94
38) Carbon Tetrachloride	3.91	117	102955	21.49	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.39	83	134416	19.31	ug/l	92
40) Benzene	4.55	78	318341	19.50	ug/l	99
41) Methacrylonitrile	4.66	41	56263	20.14	ug/l	92
42) 1,2-Dichloroethane	4.86	62	133575	21.05	ug/l	99
43) Isopropyl Acetate	6.88	43	134791	19.10	ug/l	98
44) Trichloroethene	5.43	130	96055	20.05	ug/l	95
45) 1,2-Dichloropropane	6.15	63	93531	20.11	ug/l	98
46) Dibromomethane	6.00	93	70443	19.69	ug/l	94
47) Bromodichloromethane	6.30	83	134606	20.36	ug/l	92
48) Methyl methacrylate	6.64	41	86028	20.81	ug/l	96
49) 1,4-Dioxane	6.62	88	13827	324.41	ug/l #	81
51) 4-Methyl-2-Pentanone	8.18	43	499829	103.56	ug/l	100
52) Toluene	7.55	92	214165	19.70	ug/l	91
53) t-1,3-Dichloropropene	8.19	75	134512	20.20	ug/l	100
54) cis-1,3-Dichloropropene	7.23	75	156108	20.14	ug/l	99
55) 1,1,2-Trichloroethane	8.41	97	90254	20.96	ug/l	96
56) Ethyl methacrylate	8.55	69	113090	20.11	ug/l	96
57) 1,3-Dichloropropane	8.76	76	151880	20.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	32469	42.46	ug/l	100
59) 2-Hexanone	9.40	43	409577	104.55	ug/l	99
60) Dibromochloromethane	8.63	129	107376	20.56	ug/l	94
61) 1,2-Dibromoethane	8.90	107	102881	20.63	ug/l	94
64) Tetrachloroethene	8.07	164	89008	18.62	ug/l	99
65) Chlorobenzene	9.71	112	257729	19.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.84	131	86339	19.25	ug/l	96
67) Ethyl Benzene	9.82	91	441533	19.90	ug/l	99
68) m/p-Xylenes	10.05	106	308968	38.07	ug/l	90
69) o-Xylene	10.64	106	170352	20.22	ug/l	97
70) Styrene	10.72	104	277114	20.76	ug/l	96
71) Bromoform	10.69	173	69867	19.46	ug/l	98
73) Isopropylbenzene	11.05	105	460973	20.11	ug/l	95
74) N-amyl acetate	11.31	43	192402	18.76	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137788	19.87	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	108722	20.43	ug/l	98
77) Bromobenzene	11.43	156	120950	19.45	ug/l	97
78) n-propylbenzene	11.52	91	570116	20.19	ug/l	98
79) 2-Chlorotoluene	11.65	91	329960	19.84	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	380372	20.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.80	75	56041	19.22	ug/l	91
82) 4-Chlorotoluene	11.83	91	360091	19.90	ug/l	98
83) tert-Butylbenzene	12.07	119	372606	20.26	ug/l	99
84) 1,2,4-Trimethylbenzene	12.14	105	395165	19.95	ug/l	95
85) sec-Butylbenzene	12.23	105	499224	19.71	ug/l	96
86) p-Isopropyltoluene	12.39	119	407836	20.06	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	223634	19.55	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	217288	19.79	ug/l	99
89) n-Butylbenzene	12.78	91	433533	18.55	ug/l	96
90) Hexachloroethane	12.84	117	74621	19.09	ug/l	91
91) 1,2-Dichlorobenzene	12.86	146	216711	19.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.56	75	23631	18.29	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	150806	20.25	ug/l	98
94) Hexachlorobutadiene	14.12	225	80805	19.02	ug/l	94
95) Naphthalene	14.37	128	368982	19.69	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	139487	19.38	ug/l	99

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

