

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045397.D
 Acq On : 16 Sep 2015 18:40
 Operator : FY/SY
 Sample : VF0916SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:15 PM

Quant Time: Sep 17 07:27:54 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1091699	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1597250	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1435519	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	848185	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.78	65	502792	42.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.78%	
34) Dibromofluoromethane	4.04	113	566652	45.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.60%	
49) Toluene-d8	7.50	98	1794430	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
61) 4-Bromofluorobenzene	11.35	95	769048	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.94	85	195028	20.98	ug/l	90
3) Chloromethane	1.03	50	167426	21.03	ug/l	92
4) Vinyl Chloride	1.09	62	138417	20.29	ug/l	94
5) Bromomethane	1.26	94	84082	19.85	ug/l	96
6) Chloroethane	1.33	64	59901	22.03	ug/l #	81
7) Trichlorofluoromethane	1.39	101	274654m	19.62	ug/l	
8) Diethyl Ether	1.60	74	48153	16.46	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.78	101	159989	19.86	ug/l #	91
10) Methyl Iodide	1.81	142	323324	19.63	ug/l	92
11) Tert butyl alcohol	2.51	59	10550	80.08	ug/l #	82
12) 1,1-Dichloroethene	1.72	96	135742	20.28	ug/l	99
13) Acrolein	1.96	56	51922	95.12	ug/l	90
14) Allyl chloride	2.05	41	209328	20.16	ug/l	97
15) Acrylonitrile	2.88	53	109332	86.84	ug/l	86
16) Acetone	2.19	43	212147	79.71	ug/l	99
17) Carbon Disulfide	1.73	76	437841	19.20	ug/l	100
18) Methyl Acetate	2.30	43	197075	19.30	ug/l #	91
19) Methyl tert-butyl Ether	2.39	73	97470	18.51	ug/l	95
20) Methylene Chloride	2.13	84	139864	16.02	ug/l	90
21) trans-1,2-Dichloroethene	2.27	96	148000	19.73	ug/l	94
22) Diisopropyl ether	2.75	45	413342	18.68	ug/l #	98
23) Vinyl Acetate	3.14	43	558046	86.37	ug/l #	93
24) 1,1-Dichloroethane	2.82	63	300168	20.04	ug/l	99
25) 2-Butanone	4.26	43	329426	88.48	ug/l	96
26) 2,2-Dichloropropane	3.54	77	282515	20.25	ug/l	96
27) cis-1,2-Dichloroethene	3.41	96	226780	19.57	ug/l	91
28) Bromochloromethane	3.65	49	128618	21.86	ug/l #	91
29) Chloroform	3.80	83	429044	20.37	ug/l	96
30) Cyclohexane	3.65	56	295884	21.89	ug/l	93
31) 1,1,1-Trichloroethane	4.03	97	343480	19.69	ug/l	96
35) 1,1-Dichloropropene	4.22	75	291028	19.21	ug/l	96
36) Ethyl Acetate	4.04	43	124965	16.30	ug/l #	25
37) Carbon Tetrachloride	3.93	117	312104	19.55	ug/l	99
38) Methylcyclohexane	5.40	83	342970	21.06	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	727543	20.54	ug/l	98
40) Methacrylonitrile	4.68	41	64354	17.73	ug/l	92
41) 1,2-Dichloroethane	4.88	62	284056	19.88	ug/l	91
42) Isopropyl Acetate	6.91	43	170151	16.84	ug/l #	95
43) Trichloroethene	5.44	130	246113	20.34	ug/l	96
44) 1,2-Dichloropropane	6.17	63	198861	19.27	ug/l	98
45) Dibromomethane	6.02	93	141944	19.33	ug/l	92
46) Bromodichloromethane	6.33	83	308067	18.73	ug/l	93
47) Methyl methacrylate	6.66	41	106443	17.36	ug/l	94
48) 1,4-Dioxane	6.65	88	25352	345.17	ug/l #	84
50) 4-Methyl-2-Pentanone	8.20	43	657306	91.51	ug/l	99
51) Toluene	7.57	92	558290	20.45	ug/l	97
52) t-1,3-Dichloropropene	8.22	75	279759	18.92	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	342154	19.60	ug/l	93
54) 1,1,2-Trichloroethane	8.43	97	173466	18.79	ug/l	95
55) Ethyl methacrylate	8.56	69	215029	17.90	ug/l	89
56) 1,3-Dichloropropane	8.78	76	284660	18.90	ug/l	95
58) 2-Hexanone	9.43	43	496381	86.82	ug/l	100
59) Dibromochloromethane	8.65	129	253019	19.34	ug/l	91
60) 1,2-Dibromoethane	8.92	107	190084	18.14	ug/l	86
63) Tetrachloroethene	8.09	164	242318	21.25	ug/l	97
64) Chlorobenzene	9.73	112	643295	21.36	ug/l	97
65) 1,1,1,2-Tetrachloroethane	9.86	131	239964	21.80	ug/l	98
66) Ethyl Benzene	9.84	91	1176351	22.54	ug/l	97
67) m/p-Xylenes	10.07	106	823060	44.01	ug/l	96
68) o-Xylene	10.65	106	438745	22.60	ug/l	97
69) Styrene	10.73	104	712926	23.01	ug/l	99
70) Bromoform	10.70	173	160481	19.64	ug/l #	96
72) Isopropylbenzene	11.08	105	1231026	21.66	ug/l	98
73) N-amyl acetate	11.32	43	275215	17.47	ug/l #	94
74) 1,1,2,2-Tetrachloroethane	11.64	83	246469	19.14	ug/l	95
75) 1,2,3-Trichloropropane	11.74	75	160131	18.08	ug/l	95
76) Bromobenzene	11.44	156	311953	19.36	ug/l	94
77) n-propylbenzene	11.54	91	1497356	21.23	ug/l	94
78) 2-Chlorotoluene	11.67	91	847762	21.48	ug/l	93
79) 1,3,5-Trimethylbenzene	11.78	105	969893	20.94	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.82	75	81996m	17.28	ug/l	
81) 4-Chlorotoluene	11.84	91	904404	20.73	ug/l	92
82) tert-Butylbenzene	12.08	119	977399	21.34	ug/l	96
83) 1,2,4-Trimethylbenzene	12.15	105	968371	20.39	ug/l	98
84) sec-Butylbenzene	12.25	105	1313493	20.63	ug/l	92
85) p-Isopropyltoluene	12.41	119	1047153	21.12	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	570976	20.84	ug/l	97
87) 1,4-Dichlorobenzene	12.50	146	549629	20.09	ug/l	93
88) n-Butylbenzene	12.79	91	1075372	21.58	ug/l	99
89) Hexachloroethane	12.86	117	225430	19.21	ug/l	96
90) 1,2-Dichlorobenzene	12.88	146	503375	19.97	ug/l	94
91) 1,2-Dibromo-3-Chloropropan	13.58	75	28272	16.53	ug/l #	57
92) 1,2,4-Trichlorobenzene	14.13	180	296202	20.31	ug/l	99
93) Hexachlorobutadiene	14.13	225	236960	21.39	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	463442	17.94	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	246240	20.55	ug/l	99

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

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