

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045396.D
 Acq On : 16 Sep 2015 18:12
 Operator : FY/SY
 Sample : VF0916SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:10 PM

Quant Time: Sep 17 07:30:51 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	4.80	168	1110843	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1614935	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1580897	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	867744	50.00	ug/l	0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.77	65	547081	45.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.72%	
34) Dibromofluoromethane	4.04	113	577245	46.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.28%	
49) Toluene-d8	7.49	98	1761567	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
61) 4-Bromofluorobenzene	11.35	95	819408	46.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	190020	20.09	ug/l	90
3) Chloromethane	1.02	50	161646	19.96	ug/l	97
4) Vinyl Chloride	1.09	62	136936	19.72	ug/l	94
5) Bromomethane	1.26	94	72745	16.88	ug/l	92
6) Chloroethane	1.34	64	53073	19.18	ug/l	94
7) Trichlorofluoromethane	1.39	101	269228m	18.90	ug/l	
8) Diethyl Ether	1.59	74	57195	19.21	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.78	101	158318	19.31	ug/l	94
10) Methyl Iodide	1.81	142	328109	19.57	ug/l	95
11) Tert butyl alcohol	2.50	59	13623	101.63	ug/l #	92
12) 1,1-Dichloroethene	1.71	96	131863	19.36	ug/l	97
13) Acrolein	1.96	56	55388	99.72	ug/l	92
14) Allyl chloride	2.05	41	209847	19.86	ug/l	92
15) Acrylonitrile	2.88	53	124016	96.81	ug/l	93
16) Acetone	2.18	43	263444	97.28	ug/l	98
17) Carbon Disulfide	1.72	76	444043	19.13	ug/l	98
18) Methyl Acetate	2.29	43	212912	20.50	ug/l	98
19) Methyl tert-butyl Ether	2.38	73	109219	20.38	ug/l	92
20) Methylene Chloride	2.13	84	153122	17.65	ug/l	91
21) trans-1,2-Dichloroethene	2.26	96	140062	18.35	ug/l	95
22) Diisopropyl ether	2.75	45	451086	20.03	ug/l	94
23) Vinyl Acetate	3.13	43	673955	102.51	ug/l	96
24) 1,1-Dichloroethane	2.81	63	309147	20.28	ug/l	96
25) 2-Butanone	4.26	43	380520	100.44	ug/l	97
26) 2,2-Dichloropropane	3.53	77	267840	18.87	ug/l	98
27) cis-1,2-Dichloroethene	3.41	96	236022	20.02	ug/l	98
28) Bromochloromethane	3.64	49	133851	22.36	ug/l #	86
29) Chloroform	3.79	83	405857	18.94	ug/l	94
30) Cyclohexane	3.64	56	301152	21.89	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	332279	18.72	ug/l	94
35) 1,1-Dichloropropene	4.21	75	321637	20.99	ug/l	97
36) Ethyl Acetate	4.04	43	159286	20.55	ug/l #	43
37) Carbon Tetrachloride	3.93	117	299304	18.55	ug/l	99
38) Methylcyclohexane	5.41	83	333628	20.26	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	755485	21.09	ug/l	97
40) Methacrylonitrile	4.68	41	74217	20.23	ug/l #	87
41) 1,2-Dichloroethane	4.87	62	274727	19.01	ug/l	99
42) Isopropyl Acetate	6.90	43	217853	21.33	ug/l #	97
43) Trichloroethene	5.44	130	249003	20.36	ug/l	96
44) 1,2-Dichloropropane	6.17	63	203510	19.50	ug/l	94
45) Dibromomethane	6.02	93	140391	18.91	ug/l	95
46) Bromodichloromethane	6.32	83	308064	18.53	ug/l	92
47) Methyl methacrylate	6.66	41	118415	19.10	ug/l	88
48) 1,4-Dioxane	6.66	88	29906	402.72	ug/l #	80
50) 4-Methyl-2-Pentanone	8.20	43	765816	105.44	ug/l	100
51) Toluene	7.56	92	592605	21.47	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	296569	19.84	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	346754	19.65	ug/l	97
54) 1,1,2-Trichloroethane	8.42	97	185672	19.89	ug/l	99
55) Ethyl methacrylate	8.57	69	257955	21.24	ug/l	96
56) 1,3-Dichloropropane	8.78	76	320429	21.04	ug/l	97
58) 2-Hexanone	9.43	43	628336	108.69	ug/l	97
59) Dibromochloromethane	8.65	129	254008	19.20	ug/l	99
60) 1,2-Dibromoethane	8.92	107	223458	21.09	ug/l	85
63) Tetrachloroethene	8.09	164	256846	20.45	ug/l	93
64) Chlorobenzene	9.73	112	674605	20.34	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	234595	19.35	ug/l	97
66) Ethyl Benzene	9.84	91	1180475	20.54	ug/l	97
67) m/p-Xylenes	10.06	106	839484	40.76	ug/l	98
68) o-Xylene	10.66	106	441157	20.63	ug/l	97
69) Styrene	10.73	104	685519	20.09	ug/l	94
70) Bromoform	10.70	173	165318	18.38	ug/l	99
72) Isopropylbenzene	11.07	105	1225041	21.07	ug/l	98
73) N-amyl acetate	11.33	43	339781	21.08	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.64	83	266657	20.24	ug/l	97
75) 1,2,3-Trichloropropane	11.74	75	192247	21.22	ug/l	93
76) Bromobenzene	11.43	156	334297	20.28	ug/l	96
77) n-propylbenzene	11.54	91	1520806	21.07	ug/l	94
78) 2-Chlorotoluene	11.66	91	863872	21.40	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	1009546	21.31	ug/l	94
80) trans-1,4-Dichloro-2-buten	11.81	75	87104m	17.95	ug/l	
81) 4-Chlorotoluene	11.85	91	910645	20.41	ug/l	90
82) tert-Butylbenzene	12.07	119	971603	20.74	ug/l	99
83) 1,2,4-Trimethylbenzene	12.15	105	1020425	21.00	ug/l	99
84) sec-Butylbenzene	12.25	105	1344646	20.64	ug/l	94
85) p-Isopropyltoluene	12.41	119	1071866	21.14	ug/l	96
86) 1,3-Dichlorobenzene	12.42	146	599407	21.38	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	555049	19.83	ug/l	99
88) n-Butylbenzene	12.79	91	1126066	22.09	ug/l	96
89) Hexachloroethane	12.85	117	236731	19.72	ug/l	79
90) 1,2-Dichlorobenzene	12.88	146	516814	20.04	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	35099	20.06	ug/l	66
92) 1,2,4-Trichlorobenzene	14.13	180	308257	20.66	ug/l	97
93) Hexachlorobutadiene	14.12	225	242493	21.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	499001	18.79	µg/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	242899	19.82	µg/l	98

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

