

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045409.D
 Acq On : 17 Sep 2015 16:29
 Operator : FY/SY
 Sample : G3708-04MS
 Misc : 11.25g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:28:55 PM

Quant Time: Sep 18 03:51:07 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	4.82	168	1004656	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	1451953	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1326783	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.49	152	764910	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.79	65	488100	45.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.48%	
34) Dibromofluoromethane	4.05	113	554229	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
49) Toluene-d8	7.51	98	1744198	52.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.28%	
61) 4-Bromofluorobenzene	11.36	95	762393	47.87	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	445037	52.01	ug/l	98
3) Chloromethane	1.03	50	364165	49.71	ug/l	94
4) Vinyl Chloride	1.10	62	329376	52.46	ug/l	94
5) Bromomethane	1.26	94	202847	52.03	ug/l	99
6) Chloroethane	1.33	64	153967	61.54	ug/l	89
7) Trichlorofluoromethane	1.40	101	716797m	55.64	ug/l	
8) Diethyl Ether	1.60	74	138526	51.44	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.79	101	394363	53.19	ug/l	98
10) Methyl Iodide	1.82	142	753825	49.72	ug/l	95
11) Tert butyl alcohol	2.51	59	15842	130.67	ug/l #	65
12) 1,1-Dichloroethene	1.72	96	322114	52.30	ug/l	94
13) Acrolein	1.97	56	109819	218.61	ug/l	94
14) Allyl chloride	2.06	41	501342	52.46	ug/l	99
15) Acrylonitrile	2.89	53	241725	208.63	ug/l	93
16) Acetone	2.19	43	529972	216.38	ug/l	97
17) Carbon Disulfide	1.74	76	1074308	51.19	ug/l	99
18) Methyl Acetate	2.31	43	395547	42.10	ug/l	94
19) Methyl tert-butyl Ether	2.39	73	195629	40.37	ug/l	98
20) Methylene Chloride	2.14	84	349679	52.83	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	350698	50.79	ug/l	89
22) Diisopropyl ether	2.75	45	1010171	49.59	ug/l	98
23) Vinyl Acetate	3.14	43	1416577	238.25	ug/l	98
24) 1,1-Dichloroethane	2.83	63	728889	52.87	ug/l	99
25) 2-Butanone	4.27	43	703920	205.45	ug/l	99
26) 2,2-Dichloropropane	3.55	77	676768	52.71	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	547935	51.38	ug/l	96
28) Bromochloromethane	3.66	49	217984	40.26	ug/l #	90
29) Chloroform	3.81	83	1020655	52.66	ug/l	98
30) Cyclohexane	3.65	56	668805	53.76	ug/l	99
31) 1,1,1-Trichloroethane	4.04	97	831805	51.81	ug/l	98
35) 1,1-Dichloropropene	4.23	75	739398	53.68	ug/l	95
36) Ethyl Acetate	4.05	43	290455	41.67	ug/l #	1
37) Carbon Tetrachloride	3.94	117	782171	53.90	ug/l	97
38) Methylcyclohexane	5.41	83	818054	55.25	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.59	78	1758867	54.62	ug/l	97
40) Methacrylonitrile	4.69	41	134983	40.91	ug/l	91
41) 1,2-Dichloroethane	4.89	62	613794	47.25	ug/l	95
42) Isopropyl Acetate	6.91	43	422502	46.01	ug/l #	98
43) Trichloroethene	5.46	130	620633	56.43	ug/l	97
44) 1,2-Dichloropropane	6.19	63	503515	53.66	ug/l	97
45) Dibromomethane	6.03	93	339216	50.81	ug/l	97
46) Bromodichloromethane	6.34	83	777884	52.03	ug/l	97
47) Methyl methacrylate	6.67	41	257231	46.15	ug/l	91
48) 1,4-Dioxane	6.65	88	40950	613.34	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	1452925	222.51	ug/l	95
51) Toluene	7.58	92	1357445	54.70	ug/l	97
52) t-1,3-Dichloropropene	8.23	75	711678	52.96	ug/l	100
53) cis-1,3-Dichloropropene	7.25	75	811139	51.11	ug/l	96
54) 1,1,2-Trichloroethane	8.44	97	403074	48.03	ug/l	94
55) Ethyl methacrylate	8.57	69	526141	48.19	ug/l	95
56) 1,3-Dichloropropane	8.80	76	666111	48.66	ug/l	99
58) 2-Hexanone	9.44	43	1191699	229.29	ug/l	97
59) Dibromochloromethane	8.66	129	587809	49.42	ug/l	99
60) 1,2-Dibromoethane	8.93	107	478542	50.24	ug/l	99
63) Tetrachloroethene	8.10	164	599565	56.88	ug/l	97
64) Chlorobenzene	9.74	112	1574564	56.57	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	539584	53.03	ug/l	97
66) Ethyl Benzene	9.85	91	2672028	55.40	ug/l	99
67) m/p-Xylenes	10.08	106	1956289	113.17	ug/l	90
68) o-Xylene	10.66	106	1044017	58.18	ug/l	96
69) Styrene	10.74	104	1596408	55.74	ug/l	99
70) Bromoform	10.71	173	375872	49.78	ug/l	98
72) Isopropylbenzene	11.08	105	2806523	54.76	ug/l	99
73) N-amyl acetate	11.33	43	710481	50.02	ug/l #	85
74) 1,1,2,2-Tetrachloroethane	11.65	83	525257	45.22	ug/l	95
75) 1,2,3-Trichloropropane	11.75	75	395686	49.54	ug/l	94
76) Bromobenzene	11.44	156	781080	53.74	ug/l	98
77) n-propylbenzene	11.55	91	3468381	54.52	ug/l	98
78) 2-Chlorotoluene	11.67	91	1947865	54.73	ug/l	97
79) 1,3,5-Trimethylbenzene	11.78	105	2290059	54.84	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.82	75	232451m	54.34	ug/l	
81) 4-Chlorotoluene	11.85	91	2098862	53.36	ug/l	89
82) tert-Butylbenzene	12.08	119	2204955	53.38	ug/l	95
83) 1,2,4-Trimethylbenzene	12.16	105	2370424	55.35	ug/l	96
84) sec-Butylbenzene	12.26	105	3137624	54.65	ug/l	99
85) p-Isopropyltoluene	12.42	119	2395757	53.59	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	1323439	53.56	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1335574	54.14	ug/l	97
88) n-Butylbenzene	12.79	91	2631815	58.56	ug/l	96
89) Hexachloroethane	12.86	117	554614	52.41	ug/l	92
90) 1,2-Dichlorobenzene	12.89	146	1232004	54.20	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.58	75	71733	46.52	ug/l	86
92) 1,2,4-Trichlorobenzene	14.14	180	816458	62.08	ug/l	98
93) Hexachlorobutadiene	14.13	225	621001	62.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1261292	50.76	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	663664	61.42	ug/l	97

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

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