

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045410.D
 Acq On : 17 Sep 2015 16:58
 Operator : FY/SY
 Sample : G3708-05MSD
 Misc : 14.05g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:29:00 PM

Quant Time: Sep 18 03:54:29 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	1050719	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1508032	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1482923	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	815462	50.00	ug/l	0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.79	65	528126	46.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.62%	
34) Dibromofluoromethane	4.05	113	585740	50.14	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.28%	
49) Toluene-d8	7.51	98	1885250	54.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.56%	
61) 4-Bromofluorobenzene	11.36	95	801349	48.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	406764	45.46	ug/l	96
3) Chloromethane	1.03	50	357061	46.61	ug/l	90
4) Vinyl Chloride	1.09	62	298253	45.42	ug/l	96
5) Bromomethane	1.26	94	192003	47.09	ug/l	93
6) Chloroethane	1.34	64	139346	53.25	ug/l	99
7) Trichlorofluoromethane	1.40	101	675888m	50.16	ug/l	
8) Diethyl Ether	1.60	74	131913	46.84	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	380556	49.08	ug/l	95
10) Methyl Iodide	1.81	142	788669	49.74	ug/l	99
11) Tert butyl alcohol	2.51	59	20124	158.72	ug/l	99
12) 1,1-Dichloroethene	1.72	96	325228	50.49	ug/l	94
13) Acrolein	1.96	56	119478	227.41	ug/l	88
14) Allyl chloride	2.06	41	510681	51.10	ug/l	97
15) Acrylonitrile	2.89	53	256278	211.50	ug/l	97
16) Acetone	2.19	43	547824	213.86	ug/l	96
17) Carbon Disulfide	1.74	76	1082990	49.34	ug/l	97
18) Methyl Acetate	2.30	43	444478	45.24	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	232054	45.78	ug/l	99
20) Methylene Chloride	2.14	84	346650	49.79	ug/l	95
21) trans-1,2-Dichloroethene	2.27	96	363489	50.34	ug/l	92
22) Diisopropyl ether	2.75	45	1056637	49.60	ug/l	95
23) Vinyl Acetate	3.13	43	1422436	228.75	ug/l	97
24) 1,1-Dichloroethane	2.83	63	701614	48.66	ug/l	100
25) 2-Butanone	4.27	43	718441	200.50	ug/l	94
26) 2,2-Dichloropropane	3.55	77	614795	45.78	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	559408	50.16	ug/l	94
28) Bromochloromethane	3.66	49	255285	45.08	ug/l	97
29) Chloroform	3.79	83	1011601	49.91	ug/l	99
30) Cyclohexane	3.65	56	623342	47.91	ug/l	93
31) 1,1,1-Trichloroethane	4.04	97	775539	46.19	ug/l	96
35) 1,1-Dichloropropene	4.23	75	709048	49.56	ug/l	94
36) Ethyl Acetate	4.05	43	301542	41.66	ug/l	# 36
37) Carbon Tetrachloride	3.93	117	752417	49.93	ug/l	99
38) Methylcyclohexane	5.41	83	798709	51.94	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1698718	50.79	ug/l	100
40) Methacrylonitrile	4.68	41	145033	42.33	ug/l	97
41) 1,2-Dichloroethane	4.89	62	622703	46.15	ug/l	95
42) Isopropyl Acetate	6.92	43	462373	48.48	ug/l #	97
43) Trichloroethene	5.45	130	567589	49.69	ug/l	97
44) 1,2-Dichloropropane	6.19	63	485686	49.84	ug/l	100
45) Dibromomethane	6.03	93	339801	49.00	ug/l	99
46) Bromodichloromethane	6.34	83	740937	47.72	ug/l	96
47) Methyl methacrylate	6.67	41	279400	48.26	ug/l	88
48) 1,4-Dioxane	6.66	88	41044	591.88	ug/l #	87
50) 4-Methyl-2-Pentanone	8.21	43	1604681	236.61	ug/l	100
51) Toluene	7.58	92	1333870	51.75	ug/l	99
52) t-1,3-Dichloropropene	8.23	75	682759	48.92	ug/l	96
53) cis-1,3-Dichloropropene	7.25	75	840325	50.98	ug/l	99
54) 1,1,2-Trichloroethane	8.43	97	423184	48.55	ug/l	98
55) Ethyl methacrylate	8.57	69	552589	48.73	ug/l	97
56) 1,3-Dichloropropane	8.80	76	683734	48.09	ug/l	98
58) 2-Hexanone	9.44	43	1258617	233.16	ug/l	93
59) Dibromochloromethane	8.65	129	577172	46.72	ug/l	98
60) 1,2-Dibromoethane	8.93	107	476690	48.19	ug/l	97
63) Tetrachloroethene	8.10	164	603120	51.19	ug/l	96
64) Chlorobenzene	9.74	112	1530619	49.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	542274	47.68	ug/l	94
66) Ethyl Benzene	9.84	91	2596895	48.17	ug/l	99
67) m/p-Xylenes	10.08	106	1861891	96.36	ug/l	97
68) o-Xylene	10.66	106	983498	49.04	ug/l	95
69) Styrene	10.74	104	1583849	49.48	ug/l	99
70) Bromoform	10.71	173	389156	46.11	ug/l	96
72) Isopropylbenzene	11.08	105	2703694	49.48	ug/l	99
73) N-amyl acetate	11.33	43	734081	48.47	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	11.64	83	581695	46.97	ug/l	98
75) 1,2,3-Trichloropropane	11.74	75	398854	46.84	ug/l	96
76) Bromobenzene	11.45	156	762904	49.24	ug/l	90
77) n-propylbenzene	11.55	91	3414513	50.35	ug/l	97
78) 2-Chlorotoluene	11.67	91	1963834	51.76	ug/l	94
79) 1,3,5-Trimethylbenzene	11.78	105	2252583	50.59	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.82	75	243523m	53.39	ug/l	
81) 4-Chlorotoluene	11.85	91	2102607	50.14	ug/l	90
82) tert-Butylbenzene	12.09	119	2170789	49.30	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	2283974	50.03	ug/l	97
84) sec-Butylbenzene	12.26	105	3022288	49.37	ug/l	96
85) p-Isopropyltoluene	12.41	119	2359550	49.51	ug/l	99
86) 1,3-Dichlorobenzene	12.42	146	1300956	49.39	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	1276303	48.53	ug/l	98
88) n-Butylbenzene	12.80	91	2535738	52.93	ug/l	98
89) Hexachloroethane	12.87	117	538010	47.69	ug/l	90
90) 1,2-Dichlorobenzene	12.89	146	1230812	50.79	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.59	75	78186	47.56	ug/l	84
92) 1,2,4-Trichlorobenzene	14.14	180	774497	55.24	ug/l	98
93) Hexachlorobutadiene	14.13	225	582318	54.68	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1308861	49.45	ug/l	99
95) 1,2,3-Trichlorobenzene	14.54	180	676744	58.75	ug/l	97

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

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