

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045394.D
 Acq On : 16 Sep 2015 16:34
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVVF091615

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:05 PM

Quant Time: Sep 16 16:59:22 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	1131277	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1660888	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1575428	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	904076	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.77	65	540770	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
34) Dibromofluoromethane	4.04	113	592992	46.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.18%	
49) Toluene-d8	7.50	98	1759115	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
61) 4-Bromofluorobenzene	11.35	95	825861	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.94	85	512217	53.17	ug/l	98
3) Chloromethane	1.03	50	398536	48.31	ug/l	# 84
4) Vinyl Chloride	1.10	62	364377	51.54	ug/l	99
5) Bromomethane	1.25	94	213753	48.69	ug/l	99
6) Chloroethane	1.33	64	146615	52.04	ug/l	89
7) Trichlorofluoromethane	1.45	101	736499m	50.77	ug/l	
8) Diethyl Ether	1.60	74	168325	55.51	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.79	101	424259	50.82	ug/l	95
10) Methyl Iodide	1.80	142	875340	51.27	ug/l	97
11) Tert butyl alcohol	2.51	59	41416	303.39	ug/l	99
12) 1,1-Dichloroethene	1.72	96	350136	50.49	ug/l	93
13) Acrolein	1.95	56	170342	301.14	ug/l	99
14) Allyl chloride	2.05	41	560330	52.07	ug/l	98
15) Acrylonitrile	2.88	53	378247	289.93	ug/l	96
16) Acetone	2.19	43	806894	292.57	ug/l	98
17) Carbon Disulfide	1.73	76	1228639	51.99	ug/l	100
18) Methyl Acetate	2.30	43	619158	58.53	ug/l	97
19) Methyl tert-butyl Ether	2.38	73	304168	55.74	ug/l	98
20) Methylene Chloride	2.13	84	389231	52.16	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	380201	48.90	ug/l	95
22) Diisopropyl ether	2.75	45	1221800	53.27	ug/l	98
23) Vinyl Acetate	3.12	43	1843080	275.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	790411	50.91	ug/l	98
25) 2-Butanone	4.26	43	1121197	290.61	ug/l	95
26) 2,2-Dichloropropane	3.54	77	670402	46.37	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	629632	52.43	ug/l	97
28) Bromochloromethane	3.65	49	287249	47.12	ug/l	# 93
29) Chloroform	3.78	83	1114527	51.07	ug/l	98
30) Cyclohexane	3.64	56	734816	52.45	ug/l	98
31) 1,1,1-Trichloroethane	4.02	97	886119	49.02	ug/l	94
35) 1,1-Dichloropropene	4.22	75	774088	49.13	ug/l	96
36) Ethyl Acetate	4.04	43	468774	58.80	ug/l	# 68
37) Carbon Tetrachloride	3.92	117	866764	52.22	ug/l	98
38) Methylcyclohexane	5.40	83	773155	45.65	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1948133	52.88	ug/l	99
40) Methacrylonitrile	4.67	41	217170	57.55	ug/l	98
41) 1,2-Dichloroethane	4.87	62	782703	52.67	ug/l	96
42) Isopropyl Acetate	6.90	43	639971	60.92	ug/l #	94
43) Trichloroethene	5.44	130	595596	47.34	ug/l	99
44) 1,2-Dichloropropane	6.17	63	572980	53.39	ug/l	98
45) Dibromomethane	6.02	93	423735	55.48	ug/l	97
46) Bromodichloromethane	6.32	83	888378	51.95	ug/l	96
47) Methyl methacrylate	6.66	41	354881	55.66	ug/l	86
48) 1,4-Dioxane	6.64	88	88641	1160.62	ug/l #	90
50) 4-Methyl-2-Pentanone	8.20	43	2223544	297.69	ug/l	100
51) Toluene	7.57	92	1466041	51.65	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	843544	54.88	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	1008089	55.53	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	499741	52.05	ug/l	99
55) Ethyl methacrylate	8.56	69	710517	56.89	ug/l	97
56) 1,3-Dichloropropane	8.79	76	807877	51.59	ug/l	99
58) 2-Hexanone	9.43	43	1690842	284.40	ug/l	99
59) Dibromochloromethane	8.64	129	726006	53.36	ug/l	98
60) 1,2-Dibromoethane	8.92	107	617538	56.68	ug/l	97
63) Tetrachloroethene	8.09	164	663522	53.01	ug/l	96
64) Chlorobenzene	9.72	112	1716246	51.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	609779	50.47	ug/l	98
66) Ethyl Benzene	9.83	91	2754459	48.10	ug/l	99
67) m/p-Xylenes	10.07	106	1995942	97.24	ug/l	94
68) o-Xylene	10.65	106	1102151	51.72	ug/l	99
69) Styrene	10.73	104	1728954	50.84	ug/l	98
70) Bromoform	10.71	173	514666	57.40	ug/l	98
72) Isopropylbenzene	11.07	105	3045966	50.28	ug/l	95
73) N-amyl acetate	11.32	43	963886	57.41	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.64	83	744904	54.26	ug/l	100
75) 1,2,3-Trichloropropane	11.73	75	527639	55.89	ug/l	99
76) Bromobenzene	11.44	156	887535	51.67	ug/l	84
77) n-propylbenzene	11.54	91	3721957	49.50	ug/l	97
78) 2-Chlorotoluene	11.66	91	2088875	49.66	ug/l	94
79) 1,3,5-Trimethylbenzene	11.77	105	2438501	49.40	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.81	75	301282m	59.58	ug/l	
81) 4-Chlorotoluene	11.84	91	2291029	49.28	ug/l	94
82) tert-Butylbenzene	12.08	119	2347850	48.09	ug/l	99
83) 1,2,4-Trimethylbenzene	12.15	105	2582040	51.01	ug/l	97
84) sec-Butylbenzene	12.26	105	3305741	48.71	ug/l	99
85) p-Isopropyltoluene	12.40	119	2501958	47.35	ug/l	96
86) 1,3-Dichlorobenzene	12.41	146	1425767	48.82	ug/l	96
87) 1,4-Dichlorobenzene	12.50	146	1419156	48.67	ug/l	95
88) n-Butylbenzene	12.79	91	2540277	47.83	ug/l	98
89) Hexachloroethane	12.86	117	604460	48.33	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1381841	51.44	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	13.58	75	108095	59.31	ug/l	94
92) 1,2,4-Trichlorobenzene	14.13	180	851580	54.79	ug/l	96
93) Hexachlorobutadiene	14.13	225	601756	50.97	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1582166	53.77	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	727744	56.99	ug/l	94

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

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