

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045392.D
 Acq On : 16 Sep 2015 15:08
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:55 PM

Quant Time: Sep 16 15:58:55 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1081131	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1564855	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1513596	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	841351	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	831981	72.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	145.74%	
34) Dibromofluoromethane	4.04	113	890867	74.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	148.56%	
49) Toluene-d8	7.50	98	2544665	70.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.32%	
61) 4-Bromofluorobenzene	11.35	95	1220236	74.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	694214	79.11	ug/l	97
3) Chloromethane	1.03	50	586040	60.79	ug/l	96
4) Vinyl Chloride	1.09	62	515564	69.33	ug/l	97
5) Bromomethane	1.25	94	314657	86.69	ug/l	100
6) Chloroethane	1.33	64	210094	85.10	ug/l	96
7) Trichlorofluoromethane	1.39	101	1038426m	85.84	ug/l	
8) Diethyl Ether	1.60	74	223195	73.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	592535	76.41	ug/l	96
10) Methyl Iodide	1.80	142	1255742	82.50	ug/l	94
11) Tert butyl alcohol	2.51	59	45572m	352.32	ug/l	
12) 1,1-Dichloroethene	1.71	96	503652	77.75	ug/l	97
13) Acrolein	1.95	56	209736	310.56	ug/l	96
14) Allyl chloride	2.05	41	824873	68.23	ug/l	99
15) Acrylonitrile	2.88	53	460578	293.61	ug/l	94
16) Acetone	2.19	43	1065456	381.76	ug/l	98
17) Carbon Disulfide	1.72	76	1722393	80.12	ug/l	99
18) Methyl Acetate	2.30	43	771401	60.24	ug/l	92
19) Methyl tert-butyl Ether	2.38	73	414952	81.95	ug/l	98
20) Methylene Chloride	2.14	84	543886	74.34	ug/l	86
21) trans-1,2-Dichloroethene	2.27	96	577597	76.98	ug/l	98
22) Diisopropyl ether	2.75	45	1672065	63.23	ug/l	99
23) Vinyl Acetate	3.12	43	2455618	304.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	1170803	74.33	ug/l	99
25) 2-Butanone	4.26	43	1358561	283.84	ug/l	96
26) 2,2-Dichloropropane	3.54	77	1020454	74.53	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	839865	70.83	ug/l	98
28) Bromochloromethane	3.65	49	426700	51.76	ug/l #	93
29) Chloroform	3.78	83	1614643	77.33	ug/l	99
30) Cyclohexane	3.64	56	1012725	61.52	ug/l	98
31) 1,1,1-Trichloroethane	4.03	97	1314885	81.24	ug/l	98
35) 1,1-Dichloropropene	4.22	75	1147199	77.01	ug/l	97
36) Ethyl Acetate	4.04	43	562656	62.90	ug/l #	53
37) Carbon Tetrachloride	3.93	117	1249399	97.62	ug/l	100
38) Methylcyclohexane	5.40	83	1179676	73.32	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	2703611	72.38	ug/l	100
40) Methacrylonitrile	4.67	41	262306	61.90	ug/l	94
41) 1,2-Dichloroethane	4.88	62	1100310	87.70	ug/l	93
42) Isopropyl Acetate	6.91	43	766848	63.39	ug/l #	99
43) Trichloroethene	5.45	130	897335	83.65	ug/l	93
44) 1,2-Dichloropropane	6.18	63	792788	70.49	ug/l	99
45) Dibromomethane	6.02	93	570712	81.61	ug/l	92
46) Bromodichloromethane	6.32	83	1294002	87.40	ug/l	95
47) Methyl methacrylate	6.66	41	478623	67.83	ug/l	88
48) 1,4-Dioxane	6.64	88	114807	1599.03	ug/l	96
50) 4-Methyl-2-Pentanone	8.20	43	2652910	304.45	ug/l	99
51) Toluene	7.57	92	1944265	75.97	ug/l	92
52) t-1,3-Dichloropropene	8.22	75	1151413	81.06	ug/l	97
53) cis-1,3-Dichloropropene	7.24	75	1346312	77.57	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	710488	80.10	ug/l	97
55) Ethyl methacrylate	8.56	69	926838	75.01	ug/l	97
56) 1,3-Dichloropropane	8.79	76	1121808	73.05	ug/l	100
58) 2-Hexanone	9.43	43	2004027	290.09	ug/l	97
59) Dibromochloromethane	8.65	129	1012907	90.50	ug/l	98
60) 1,2-Dibromoethane	8.92	107	824545	82.61	ug/l	96
63) Tetrachloroethene	8.10	164	902530	87.08	ug/l	98
64) Chlorobenzene	9.73	112	2384076	76.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	904837	84.75	ug/l	98
66) Ethyl Benzene	9.83	91	4000240	72.46	ug/l	97
67) m/p-Xylenes	10.07	106	2871058	150.03	ug/l	93
68) o-Xylene	10.65	106	1557452	77.71	ug/l	96
69) Styrene	10.73	104	2582402	80.36	ug/l	97
70) Bromoform	10.71	173	705421	93.32	ug/l	98
72) Isopropylbenzene	11.07	105	4161681	67.58	ug/l	93
73) N-amyl acetate	11.32	43	1209321	56.82	ug/l #	92
74) 1,1,2,2-Tetrachloroethane	11.63	83	941176	63.66	ug/l	99
75) 1,2,3-Trichloropropane	11.73	75	675351	63.46	ug/l	98
76) Bromobenzene	11.44	156	1231054	77.66	ug/l	90
77) n-propylbenzene	11.55	91	5071057	64.22	ug/l	94
78) 2-Chlorotoluene	11.66	91	2922844	66.65	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	3429037	69.56	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.81	75	390873m	75.25	ug/l	
81) 4-Chlorotoluene	11.84	91	3244952	69.02	ug/l	94
82) tert-Butylbenzene	12.08	119	3335524	69.98	ug/l	94
83) 1,2,4-Trimethylbenzene	12.15	105	3510586	70.43	ug/l	98
84) sec-Butylbenzene	12.25	105	4591189	70.01	ug/l	98
85) p-Isopropyltoluene	12.40	119	3564680	72.09	ug/l	95
86) 1,3-Dichlorobenzene	12.41	146	2022677	76.33	ug/l	98
87) 1,4-Dichlorobenzene	12.50	146	2012640	76.07	ug/l	96
88) n-Butylbenzene	12.79	91	3662473	69.59	ug/l	95
89) Hexachloroethane	12.86	117	905406	82.88	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1945983	80.63	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	144348	82.68	ug/l	97
92) 1,2,4-Trichlorobenzene	14.13	180	1203854	92.25	ug/l	97
93) Hexachlorobutadiene	14.13	225	881045	87.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	2174279	94.50	ug/l	100
95) 1,2,3-Trichlorobenzene	14.53	180	1034370	98.28	ug/l	99

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

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