

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045403.D
 Acq On : 16 Sep 2015 22:00
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:41 PM

Quant Time: Sep 17 08:25:57 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	1032314	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1485627	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1457411	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.50	152	809285	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.77	65	550141	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
34) Dibromofluoromethane	4.04	113	591600	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
49) Toluene-d8	7.50	98	1749814	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
61) 4-Bromofluorobenzene	11.35	95	803950	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	444237	50.53	ug/l	93
3) Chloromethane	1.02	50	353025	46.90	ug/l	98
4) Vinyl Chloride	1.09	62	298612	46.29	ug/l	91
5) Bromomethane	1.26	94	189321	47.26	ug/l	97
6) Chloroethane	1.34	64	136226	52.99	ug/l	96
7) Trichlorofluoromethane	1.40	101	654495m	49.44	ug/l	
8) Diethyl Ether	1.59	74	132692	47.96	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.78	101	369556	48.51	ug/l	95
10) Methyl Iodide	1.81	142	744552	47.79	ug/l	93
11) Tert butyl alcohol	2.52	59	28515	228.91	ug/l	96
12) 1,1-Dichloroethene	1.71	96	314265	49.66	ug/l	81
13) Acrolein	1.96	56	127713	247.42	ug/l	97
14) Allyl chloride	2.06	41	485165	49.41	ug/l	99
15) Acrylonitrile	2.88	53	263364	221.22	ug/l	96
16) Acetone	2.18	43	467737	185.85	ug/l	98
17) Carbon Disulfide	1.72	76	1006553	46.67	ug/l	96
18) Methyl Acetate	2.30	43	445020	46.10	ug/l	99
19) Methyl tert-butyl Ether	2.38	73	248610	49.92	ug/l #	91
20) Methylene Chloride	2.13	84	305981	44.19	ug/l	96
21) trans-1,2-Dichloroethene	2.26	96	338794	47.75	ug/l	93
22) Diisopropyl ether	2.74	45	990375	47.32	ug/l	99
23) Vinyl Acetate	3.13	43	1488835	243.69	ug/l #	94
24) 1,1-Dichloroethane	2.81	63	705919	49.83	ug/l	99
25) 2-Butanone	4.26	43	711495	202.10	ug/l	98
26) 2,2-Dichloropropane	3.53	77	605814	45.92	ug/l	100
27) cis-1,2-Dichloroethene	3.41	96	561362	51.23	ug/l	98
28) Bromochloromethane	3.65	49	266542	47.91	ug/l #	93
29) Chloroform	3.79	83	1002608	50.35	ug/l	92
30) Cyclohexane	3.63	56	612352	47.90	ug/l	99
31) 1,1,1-Trichloroethane	4.04	97	823483	49.92	ug/l	99
35) 1,1-Dichloropropene	4.21	75	726713	51.56	ug/l	95
36) Ethyl Acetate	4.04	43	332773	46.66	ug/l #	43
37) Carbon Tetrachloride	3.93	117	784691	52.85	ug/l	98
38) Methylcyclohexane	5.40	83	761316	50.25	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	1672100	50.75	ug/l	99
40) Methacrylonitrile	4.68	41	156222	46.28	ug/l #	88
41) 1,2-Dichloroethane	4.87	62	669170	50.34	ug/l	92
42) Isopropyl Acetate	6.90	43	459820	48.94	ug/l #	95
43) Trichloroethene	5.44	130	597120	53.06	ug/l	98
44) 1,2-Dichloropropane	6.17	63	475954	49.58	ug/l	97
45) Dibromomethane	6.02	93	336937	49.32	ug/l	93
46) Bromodichloromethane	6.32	83	780281	51.01	ug/l	94
47) Methyl methacrylate	6.67	41	280784	49.23	ug/l	92
48) 1,4-Dioxane	6.65	88	65834	963.69	ug/l #	91
50) 4-Methyl-2-Pentanone	8.20	43	1581122	236.65	ug/l	99
51) Toluene	7.57	92	1294445	50.98	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	720063	52.37	ug/l	92
53) cis-1,3-Dichloropropene	7.25	75	842648	51.90	ug/l	96
54) 1,1,2-Trichloroethane	8.43	97	430892	50.18	ug/l	95
55) Ethyl methacrylate	8.57	69	544516	48.74	ug/l	97
56) 1,3-Dichloropropane	8.78	76	702858	50.18	ug/l	98
58) 2-Hexanone	9.43	43	1200500	225.75	ug/l	97
59) Dibromochloromethane	8.64	129	618999	50.86	ug/l	95
60) 1,2-Dibromoethane	8.92	107	513192	52.66	ug/l	96
63) Tetrachloroethene	8.09	164	620720	53.61	ug/l	96
64) Chlorobenzene	9.73	112	1577636	51.60	ug/l	97
65) 1,1,1,2-Tetrachloroethane	9.87	131	574123	51.36	ug/l	97
66) Ethyl Benzene	9.84	91	2639223	49.82	ug/l	96
67) m/p-Xylenes	10.06	106	1928056	101.54	ug/l	94
68) o-Xylene	10.65	106	978501	49.64	ug/l	97
69) Styrene	10.73	104	1610642	51.19	ug/l	99
70) Bromoform	10.70	173	427492	51.54	ug/l	97
72) Isopropylbenzene	11.07	105	2842995	52.43	ug/l	97
73) N-amyl acetate	11.32	43	723222	48.12	ug/l #	90
74) 1,1,2,2-Tetrachloroethane	11.64	83	607060	49.40	ug/l	99
75) 1,2,3-Trichloropropane	11.74	75	427502	50.59	ug/l	95
76) Bromobenzene	11.44	156	768202	49.96	ug/l	85
77) n-propylbenzene	11.54	91	3433750	51.02	ug/l	100
78) 2-Chlorotoluene	11.66	91	1967886	52.27	ug/l	99
79) 1,3,5-Trimethylbenzene	11.78	105	2264393	51.25	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.82	75	221162m	48.86	ug/l	
81) 4-Chlorotoluene	11.85	91	2166965	52.07	ug/l	89
82) tert-Butylbenzene	12.08	119	2212228	50.62	ug/l	98
83) 1,2,4-Trimethylbenzene	12.15	105	2340654	51.66	ug/l	96
84) sec-Butylbenzene	12.25	105	3181646	52.37	ug/l	97
85) p-Isopropyltoluene	12.41	119	2338487	49.44	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	1335404	51.08	ug/l	97
87) 1,4-Dichlorobenzene	12.51	146	1331731	51.02	ug/l	98
88) n-Butylbenzene	12.79	91	2460172	51.74	ug/l	99
89) Hexachloroethane	12.86	117	562149	50.21	ug/l	88
90) 1,2-Dichlorobenzene	12.88	146	1256416	52.25	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.58	75	80139	49.12	ug/l	71
92) 1,2,4-Trichlorobenzene	14.13	180	774292	55.65	ug/l	99
93) Hexachlorobutadiene	14.12	225	577574	54.65	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1342613	51.06	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	652736	57.10	ug/l	98

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

