

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045405.D
 Acq On : 17 Sep 2015 12:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:28:44 PM

Quant Time: Sep 18 03:48:43 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	1103255	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1634344	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1563273	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.49	152	807490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.78	65	552321	46.62	ug/l	0.01
Spiked Amount 50.000			Recovery =	93.24%		
34) Dibromofluoromethane	4.05	113	628820	49.67	ug/l	0.02
Spiked Amount 50.000			Recovery =	99.34%		
49) Toluene-d8	7.50	98	1823566	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.78%		
61) 4-Bromofluorobenzene	11.36	95	819203	45.69	ug/l	0.01
Spiked Amount 50.000			Recovery =	91.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	448492	47.73	ug/l	100
3) Chloromethane	1.03	50	375721	46.71	ug/l	90
4) Vinyl Chloride	1.09	62	345364	50.09	ug/l	97
5) Bromomethane	1.26	94	195284	45.62	ug/l	99
6) Chloroethane	1.34	64	134825	49.07	ug/l	98
7) Trichlorofluoromethane	1.40	101	687092m	48.57	ug/l	
8) Diethyl Ether	1.60	74	150945	51.05	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.78	101	375075	46.07	ug/l	95
10) Methyl Iodide	1.81	142	796334	47.83	ug/l	95
11) Tert butyl alcohol	2.51	59	27065	203.30	ug/l	99
12) 1,1-Dichloroethene	1.72	96	333393	49.30	ug/l	92
13) Acrolein	1.96	56	150404	272.64	ug/l	89
14) Allyl chloride	2.06	41	549213	52.34	ug/l	93
15) Acrylonitrile	2.89	53	333628	262.22	ug/l #	90
16) Acetone	2.19	43	712768	265.01	ug/l	99
17) Carbon Disulfide	1.74	76	1121166	48.65	ug/l	99
18) Methyl Acetate	2.30	43	514448	49.87	ug/l	94
19) Methyl tert-butyl Ether	2.39	73	241897	45.45	ug/l	96
20) Methylene Chloride	2.14	84	352084	47.99	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	362418	47.80	ug/l	97
22) Diisopropyl ether	2.75	45	1100467	49.20	ug/l	96
23) Vinyl Acetate	3.13	43	1661409	254.45	ug/l	100
24) 1,1-Dichloroethane	2.82	63	760328	50.22	ug/l	98
25) 2-Butanone	4.26	43	936995	249.04	ug/l	97
26) 2,2-Dichloropropane	3.55	77	679324	48.18	ug/l	98
27) cis-1,2-Dichloroethene	3.42	96	532984	45.51	ug/l	98
28) Bromochloromethane	3.66	49	290582	48.87	ug/l	88
29) Chloroform	3.79	83	1000537	47.01	ug/l	99
30) Cyclohexane	3.65	56	664401	48.63	ug/l	97
31) 1,1,1-Trichloroethane	4.04	97	813740	46.16	ug/l	96
35) 1,1-Dichloropropene	4.23	75	754612	48.67	ug/l	96
36) Ethyl Acetate	4.04	43	373480	47.61	ug/l #	36
37) Carbon Tetrachloride	3.93	117	728337	44.59	ug/l	98
38) Methylcyclohexane	5.41	83	764364	45.86	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1612566	44.49	ug/l	99
40) Methacrylonitrile	4.69	41	164316	44.25	ug/l #	90
41) 1,2-Dichloroethane	4.88	62	627113	42.89	ug/l	97
42) Isopropyl Acetate	6.91	43	517130	50.03	ug/l #	94
43) Trichloroethene	5.45	130	559402	45.19	ug/l	100
44) 1,2-Dichloropropane	6.18	63	480571	45.50	ug/l	91
45) Dibromomethane	6.03	93	338655	45.06	ug/l	99
46) Bromodichloromethane	6.33	83	748411	44.47	ug/l	99
47) Methyl methacrylate	6.66	41	311575	49.66	ug/l	90
48) 1,4-Dioxane	6.65	88	67875	903.16	ug/l	96
50) 4-Methyl-2-Pentanone	8.21	43	1769273	240.72	ug/l	100
51) Toluene	7.57	92	1302039	46.61	ug/l	98
52) t-1,3-Dichloropropene	8.22	75	714621	47.24	ug/l	94
53) cis-1,3-Dichloropropene	7.24	75	807431	45.20	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	446579	47.27	ug/l	96
55) Ethyl methacrylate	8.57	69	601659	48.96	ug/l	93
56) 1,3-Dichloropropane	8.79	76	725046	47.05	ug/l	99
58) 2-Hexanone	9.43	43	1463375	250.14	ug/l	94
59) Dibromochloromethane	8.65	129	594201	44.38	ug/l	95
60) 1,2-Dibromoethane	8.93	107	505830	47.18	ug/l	95
63) Tetrachloroethene	8.10	164	548485	44.16	ug/l	98
64) Chlorobenzene	9.73	112	1506992	45.95	ug/l	98
65) 1,1,1,2-Tetrachloroethane	9.86	131	532089	44.38	ug/l	95
66) Ethyl Benzene	9.84	91	2500734	44.01	ug/l	100
67) m/p-Xylenes	10.07	106	1869277	91.77	ug/l	96
68) o-Xylene	10.66	106	927239	43.85	ug/l	97
69) Styrene	10.74	104	1553355	46.03	ug/l	96
70) Bromoform	10.71	173	395542	44.46	ug/l	97
72) Isopropylbenzene	11.07	105	2713132	50.15	ug/l	100
73) N-amyl acetate	11.33	43	727374	48.50	ug/l #	88
74) 1,1,2,2-Tetrachloroethane	11.64	83	583430	47.58	ug/l	97
75) 1,2,3-Trichloropropane	11.74	75	405950	48.14	ug/l	96
76) Bromobenzene	11.44	156	706276	46.03	ug/l	99
77) n-propylbenzene	11.55	91	3309417	49.28	ug/l	99
78) 2-Chlorotoluene	11.66	91	1840202	48.98	ug/l	99
79) 1,3,5-Trimethylbenzene	11.77	105	2145721	48.67	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	252130m	55.83	ug/l	
81) 4-Chlorotoluene	11.85	91	1954851	47.08	ug/l	93
82) tert-Butylbenzene	12.08	119	2060327	47.25	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	2140245	47.34	ug/l	96
84) sec-Butylbenzene	12.26	105	3022184	49.86	ug/l	98
85) p-Isopropyltoluene	12.41	119	2230545	47.27	ug/l	97
86) 1,3-Dichlorobenzene	12.42	146	1230616	47.18	ug/l	97
87) 1,4-Dichlorobenzene	12.51	146	1213079	46.58	ug/l	97
88) n-Butylbenzene	12.79	91	2318153	48.86	ug/l	98
89) Hexachloroethane	12.86	117	515035	46.10	ug/l	82
90) 1,2-Dichlorobenzene	12.89	146	1089259	45.40	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	13.58	75	80026	49.16	ug/l	87
92) 1,2,4-Trichlorobenzene	14.14	180	673730	48.53	ug/l	95
93) Hexachlorobutadiene	14.13	225	503295	47.72	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1230861	47.05	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	572742	50.21	ug/l	99

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

