

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045391.D
 Acq On : 16 Sep 2015 14:40
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 15:33:26 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	4.80	168	1065904	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1601896	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1596581	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	936591	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.76	65	598714	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
34) Dibromofluoromethane	4.03	113	631883	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
49) Toluene-d8	7.49	98	1876668	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
61) 4-Bromofluorobenzene	11.34	95	916181	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.92	85	461560	53.35	ug/l	95
3) Chloromethane	1.02	50	416027	43.77	ug/l	93
4) Vinyl Chloride	1.08	62	334205	45.58	ug/l	100
5) Bromomethane	1.25	94	216473	60.49	ug/l	99
6) Chloroethane	1.33	64	145576	59.81	ug/l	93
7) Trichlorofluoromethane	1.39	101	723859m	60.69	ug/l	
8) Diethyl Ether	1.58	74	161016	53.54	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.77	101	413339	54.07	ug/l	97
10) Methyl Iodide	1.80	142	850187	56.65	ug/l	97
11) Tert butyl alcohol	2.49	59	34202	268.19	ug/l #	77
12) 1,1-Dichloroethene	1.70	96	337136	52.79	ug/l	90
13) Acrolein	1.95	56	156923	235.68	ug/l	96
14) Allyl chloride	2.05	41	549526	46.11	ug/l	96
15) Acrylonitrile	2.87	53	344095	222.49	ug/l	95
16) Acetone	2.17	43	801218	291.18	ug/l	99
17) Carbon Disulfide	1.72	76	1164593	54.95	ug/l	98
18) Methyl Acetate	2.29	43	578890	45.85	ug/l #	91
19) Methyl tert-butyl Ether	2.37	73	275462	55.18	ug/l	99
20) Methylene Chloride	2.12	84	363393	50.38	ug/l	94
21) trans-1,2-Dichloroethene	2.25	96	379978	51.36	ug/l	95
22) Diisopropyl ether	2.73	45	1179619	45.25	ug/l	94
23) Vinyl Acetate	3.12	43	1752590	220.27	ug/l	97
24) 1,1-Dichloroethane	2.80	63	771705	49.69	ug/l	98
25) 2-Butanone	4.24	43	1060406	224.71	ug/l	96
26) 1,2-Dichloropropane	3.52	77	686747	50.87	ug/l	96
27) cis-1,2-Dichloroethene	3.40	96	612106	52.36	ug/l	100
28) Bromochloromethane	3.64	49	283476	34.88	ug/l #	95
29) Chloroform	3.78	83	1084344	52.67	ug/l	97
30) Cyclohexane	3.63	56	695372	42.84	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	884761	55.45	ug/l	94
35) 1,1-Dichloropropene	4.20	75	784686	51.46	ug/l	100
36) Ethyl Acetate	4.04	43	435549	47.56	ug/l #	78
37) Carbon Tetrachloride	3.92	117	816339	62.31	ug/l	96
38) Methylcyclohexane	5.39	83	798124	48.46	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1784021	46.66	ug/l	97
40) Methacrylonitrile	4.67	41	204780	47.21	ug/l #	91
41) 1,2-Dichloroethane	4.86	62	775575	60.39	ug/l	97
42) Isopropyl Acetate	6.89	43	580998	46.91	ug/l #	100
43) Trichloroethene	5.43	130	612362	55.76	ug/l	97
44) 1,2-Dichloropropane	6.16	63	561762	48.80	ug/l	97
45) Dibromomethane	6.02	93	407674	56.95	ug/l	95
46) Bromodichloromethane	6.31	83	897304	59.20	ug/l	97
47) Methyl methacrylate	6.66	41	346072	47.91	ug/l	89
48) 1,4-Dioxane	6.64	88	78771	1071.75	ug/l #	81
50) 4-Methyl-2-Pentanone	8.19	43	2051139	229.94	ug/l	98
51) Toluene	7.56	92	1393790	53.20	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	813065	55.91	ug/l	93
53) cis-1,3-Dichloropropene	7.24	75	926495	52.15	ug/l	99
54) 1,1,2-Trichloroethane	8.42	97	498092	54.86	ug/l	99
55) Ethyl methacrylate	8.56	69	685668	54.21	ug/l	96
56) 1,3-Dichloropropane	8.78	76	812809	51.70	ug/l	99
58) 2-Hexanone	9.42	43	1656811	234.28	ug/l	97
59) Dibromochloromethane	8.65	129	719516	62.80	ug/l	95
60) 1,2-Dibromoethane	8.91	107	594359	58.17	ug/l	98
63) Tetrachloroethene	8.09	164	619950	56.71	ug/l	98
64) Chlorobenzene	9.73	112	1707884	52.09	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	616122	54.71	ug/l	97
66) Ethyl Benzene	9.83	91	2814064	48.32	ug/l	97
67) m/p-Xylenes	10.06	106	2007292	99.44	ug/l	96
68) o-Xylene	10.64	106	1029776	48.71	ug/l	97
69) Styrene	10.72	104	1691010	49.89	ug/l	97
70) Bromoform	10.70	173	483913	60.69	ug/l	97
72) Isopropylbenzene	11.07	105	3035508	44.28	ug/l	95
73) N-amyl acetate	11.31	43	964753	40.72	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.63	83	734473	44.62	ug/l	98
75) 1,2,3-Trichloropropane	11.73	75	531342	44.85	ug/l	95
76) Bromobenzene	11.43	156	876368	49.67	ug/l	95
77) n-propylbenzene	11.54	91	3587869	40.81	ug/l	99
78) 2-Chlorotoluene	11.66	91	2092779	42.87	ug/l	98
79) 1,3,5-Trimethylbenzene	11.77	105	2488961	45.36	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	283373m	49.01	ug/l	
81) 4-Chlorotoluene	11.84	91	2289144	43.74	ug/l	95
82) tert-Butylbenzene	12.07	119	2348423	44.26	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	2572473	46.36	ug/l	94
84) sec-Butylbenzene	12.25	105	3331550	45.63	ug/l	99
85) p-Isopropyltoluene	12.41	119	2465334	44.79	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	1403205	47.57	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1489406	50.57	ug/l	95
88) n-Butylbenzene	12.78	91	2631891	44.92	ug/l	98
89) Hexachloroethane	12.85	117	631376	51.92	ug/l	93
90) 1,2-Dichlorobenzene	12.88	146	1360451	50.64	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	13.57	75	106027	54.55	ug/l	100
92) 1,2,4-Trichlorobenzene	14.13	180	835305	57.50	ug/l	94
93) Hexachlorobutadiene	14.12	225	592678	53.09	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1546758	60.39	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	696587	59.46	ug/l	96

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

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