

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045389.D
 Acq On : 16 Sep 2015 13:43
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:40 PM

Quant Time: Sep 16 15:57:45 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	4.79	168	1136238	50.00	ug/l	-0.01
33) 1,4-Difluorobenzene	5.53	114	1709710	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.69	117	1653086	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	952605	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.76	65	134110	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	
34) Dibromofluoromethane	4.02	113	145885	11.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.26%	
49) Toluene-d8	7.48	98	402017	10.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	20.44%	
61) 4-Bromofluorobenzene	11.34	95	202188	11.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	99362	10.77	ug/l	100
3) Chloromethane	1.02	50	87606	8.65	ug/l	95
4) Vinyl Chloride	1.09	62	76945	9.85	ug/l	99
5) Bromomethane	1.25	94	45569	11.95	ug/l	93
6) Chloroethane	1.33	64	30751	11.85	ug/l	94
7) Trichlorofluoromethane	1.44	101	156113m	12.28	ug/l	
8) Diethyl Ether	1.59	74	34778	10.85	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.76	101	89834	11.02	ug/l	96
10) Methyl Iodide	1.80	142	185300	11.58	ug/l	97
11) Tert butyl alcohol	2.49	59	6415m	47.19	ug/l	
12) 1,1-Dichloroethene	1.71	96	76019	11.17	ug/l	90
13) Acrolein	1.95	56	28716	40.46	ug/l	92
14) Allyl chloride	2.05	41	111541	8.78	ug/l	95
15) Acrylonitrile	2.87	53	69301	42.04	ug/l	85
16) Acetone	2.18	43	143024	48.76	ug/l	97
17) Carbon Disulfide	1.73	76	262035	11.60	ug/l	98
18) Methyl Acetate	2.29	43	114218	8.49	ug/l	100
19) Methyl tert-butyl Ether	2.38	73	54053	10.16	ug/l #	81
20) Methylene Chloride	2.13	84	108559	14.12	ug/l	83
21) trans-1,2-Dichloroethene	2.26	96	86697	10.99	ug/l	93
22) Diisopropyl ether	2.74	45	235669	8.48	ug/l	99
23) Vinyl Acetate	3.12	43	358701	42.29	ug/l	97
24) 1,1-Dichloroethane	2.81	63	161894	9.78	ug/l	98
25) 2-Butanone	4.25	43	201604	40.08	ug/l	90
26) 2,2-Dichloropropane	3.53	77	155574	10.81	ug/l	93
27) cis-1,2-Dichloroethene	3.40	96	139076	11.16	ug/l	94
28) Bromochloromethane	3.64	49	62703	7.24	ug/l #	92
29) Chloroform	3.77	83	237541	10.82	ug/l	95
30) Cyclohexane	3.62	56	154234	8.91	ug/l	97
31) 1,1,1-Trichloroethane	4.02	97	204181	12.00	ug/l	94
35) 1,1-Dichloropropene	4.20	75	171441	10.53	ug/l	95
36) Ethyl Acetate	4.03	43	88019	9.01	ug/l #	78
37) Carbon Tetrachloride	3.91	117	185848	13.29	ug/l	84
38) Methylcyclohexane	5.38	83	191170	10.87	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.55	78	417508	10.23	ug/l	97
40) Methacrylonitrile	4.65	41	39450	8.52	ug/l #	81
41) 1,2-Dichloroethane	4.86	62	158718	11.58	ug/l	93
42) Isopropyl Acetate	6.90	43	116695	8.83	ug/l #	96
43) Trichloroethene	5.43	130	139171	11.87	ug/l	94
44) 1,2-Dichloropropane	6.17	63	116607	9.49	ug/l	93
45) Dibromomethane	6.01	93	80402	10.52	ug/l	91
46) Bromodichloromethane	6.31	83	187380	11.58	ug/l	95
47) Methyl methacrylate	6.65	41	67545	8.76	ug/l #	85
48) 1,4-Dioxane	6.63	88	16701	212.90	ug/l #	70
50) 4-Methyl-2-Pentanone	8.19	43	428299	44.99	ug/l	97
51) Toluene	7.55	92	336609	12.04	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	164881	10.62	ug/l	95
53) cis-1,3-Dichloropropene	7.22	75	198474	10.47	ug/l	97
54) 1,1,2-Trichloroethane	8.41	97	105005	10.84	ug/l	89
55) Ethyl methacrylate	8.55	69	135720	10.05	ug/l	97
56) 1,3-Dichloropropane	8.77	76	174669	10.41	ug/l	96
58) 2-Hexanone	9.42	43	349392	46.29	ug/l	98
59) Dibromochloromethane	8.63	129	155486	12.72	ug/l	98
60) 1,2-Dibromoethane	8.90	107	116402	10.67	ug/l	87
63) Tetrachloroethene	8.08	164	151082	13.35	ug/l	96
64) Chlorobenzene	9.71	112	377373	11.12	ug/l	98
65) 1,1,1,2-Tetrachloroethane	9.84	131	133094	11.41	ug/l	95
66) Ethyl Benzene	9.82	91	683798	11.34	ug/l	98
67) m/p-Xylenes	10.05	106	490444	23.47	ug/l	100
68) o-Xylene	10.64	106	241180	11.02	ug/l	94
69) Styrene	10.72	104	393089	11.20	ug/l	98
70) Bromoform	10.70	173	94659	11.47	ug/l	93
72) Isopropylbenzene	11.06	105	707022	10.14	ug/l	96
73) N-amyl acetate	11.31	43	177531	7.37	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	11.63	83	156843	9.37	ug/l	98
75) 1,2,3-Trichloropropane	11.72	75	115757	9.61	ug/l	92
76) Bromobenzene	11.43	156	205176	11.43	ug/l	92
77) n-propylbenzene	11.54	91	925629	10.35	ug/l	99
78) 2-Chlorotoluene	11.65	91	499342	10.06	ug/l	96
79) 1,3,5-Trimethylbenzene	11.76	105	593324	10.63	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.80	75	50333m	8.56	ug/l	
81) 4-Chlorotoluene	11.83	91	537908	10.11	ug/l	99
82) tert-Butylbenzene	12.07	119	582622	10.80	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	573688	10.17	ug/l	97
84) sec-Butylbenzene	12.25	105	813051	10.95	ug/l	95
85) p-Isopropyltoluene	12.40	119	674058	12.04	ug/l	94
86) 1,3-Dichlorobenzene	12.40	146	367900	12.26	ug/l	99
87) 1,4-Dichlorobenzene	12.50	146	346470	11.57	ug/l	98
88) n-Butylbenzene	12.78	91	624760	10.48	ug/l	96
89) Hexachloroethane	12.85	117	146585	11.85	ug/l	78
90) 1,2-Dichlorobenzene	12.88	146	313037	11.46	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	13.57	75	19924	10.08	ug/l	87
92) 1,2,4-Trichlorobenzene	14.13	180	182261	12.34	ug/l	96
93) Hexachlorobutadiene	14.12	225	133607	11.77	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	276255	10.60	ug/l	99
95) 1,2,3-Trichlorobenzene	14.52	180	135035	11.33	ug/l	99

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

