Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF091615\
Data File : VF045398.D
Acq On : 16 Sep 2015 19:38
Operator : FY/SY
Sample : G3707-03LOD 1ppb
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : LOD-SOIL2015-01

Manual Integrations APPROVED
MMDadoda
9/17/2015 12:51:27 PM

Quant Time: Sep 17 07:40:46 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	1094690	50.00	ug/l		0.01
33) 1,4-Difluorobenzene	5.55	114	1594509	50.00	ug/l		0.01
62) Chlorobenzene-d5	9.70	117	1499616	50.00	ug/l		0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	813485	50.00	ug/l		0.00
System Monitoring Compounds							
32) 1,2-Dichloroethane-d4	4.78	65	569465	48.44	ug/l		0.01
Spiked Amount 50.000			Recovery = 96.88%				
34) Dibromofluoromethane	4.04	113	600237	48.60	ug/l		0.01
Spiked Amount 50.000			Recovery = 97.20%				
49) Toluene-d8	7.50	98	1790808	49.21	ug/l		0.00
Spiked Amount 50.000			Recovery = 98.42%				
61) 4-Bromofluorobenzene	11.36	95	830335	47.47	ug/l		0.01
Spiked Amount 50.000			Recovery = 94.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.94	85	15946	1.71	ug/l		81
3) Chloromethane	1.03	50	10871	1.36	ug/l		98
4) Vinyl Chloride	1.08	62	9208	1.35	ug/l		89
5) Bromomethane	1.25	94	6151	1.45	ug/l	#	71
7) Trichlorofluoromethane	1.39	101	20827m	1.48	ug/l		
8) Diethyl Ether	1.60	74	3930	1.34	ug/l		82
9) 1,1,2-Trichlorotrifluoroet	1.78	101	11264	1.39	ug/l	#	85
10) Methyl Iodide	1.81	142	21223	1.28	ug/l		93
12) 1,1-Dichloroethene	1.72	96	8545	1.27	ug/l		91
14) Allyl chloride	2.06	41	11577m	1.11	ug/l		
15) Acrylonitrile	2.89	53	7767	6.15	ug/l	#	66
16) Acetone	2.19	43	21616	8.10	ug/l		97
17) Carbon Disulfide	1.72	76	28041	1.23	ug/l	#	92
18) Methyl Acetate	2.29	43	25402	2.48	ug/l	#	89
19) Methyl tert-butyl Ether	2.38	73	5704	1.08	ug/l	#	71
20) Methylene Chloride	2.14	84	17652	Below Cal			85
21) trans-1,2-Dichloroethene	2.27	96	9217	1.23	ug/l		91
22) Diisopropyl ether	2.76	45	31965	1.44	ug/l	#	84
23) Vinyl Acetate	3.12	43	39939	6.16	ug/l	#	89
24) 1,1-Dichloroethane	2.83	63	19868	1.32	ug/l	#	89
25) 2-Butanone	4.28	43	25014	6.70	ug/l	#	79
26) 2,2-Dichloropropane	3.54	77	14765	1.06	ug/l		94
27) cis-1,2-Dichloroethene	3.42	96	15410	1.33	ug/l		78
28) Bromochloromethane	3.65	49	8127	1.38	ug/l		91
29) Chloroform	3.79	83	26703	1.26	ug/l		97
30) Cyclohexane	3.65	56	18047	1.33	ug/l		91
31) 1,1,1-Trichloroethane	4.03	97	20379	1.17	ug/l		89
35) 1,1-Dichloropropene	4.22	75	23446	1.55	ug/l		88
36) Ethyl Acetate	4.04	43	15443	2.02	ug/l	#	77
37) Carbon Tetrachloride	3.93	117	19287	1.21	ug/l	#	77
38) Methylcyclohexane	5.41	83	20677	1.27	ug/l		90
39) Benzene	4.58	78	42925	1.21	ug/l		99
41) 1,2-Dichloroethane	4.89	62	17327	1.21	ug/l		91
42) Isopropyl Acetate	6.91	43	16795	1.67	ug/l	#	74

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Trichloroethene	5.45	130	15758	1.30 ug/l		97
44) 1,2-Dichloropropane	6.18	63	13799	1.34 ug/l		96
45) Dibromomethane	6.03	93	10282	1.40 ug/l	#	63
46) Bromodichloromethane	6.32	83	18536	1.13 ug/l	#	61
47) Methyl methacrylate	6.68	41	7166	1.17 ug/l		88
48) 1,4-Dioxane	6.67	88	1435	19.57 ug/l	#	1
50) 4-Methyl-2-Pentanone	8.21	43	52981	7.39 ug/l		96
51) Toluene	7.58	92	38053	1.40 ug/l		90
52) t-1,3-Dichloropropene	8.22	75	17899	1.21 ug/l	#	78
53) cis-1,3-Dichloropropene	7.24	75	19892	1.14 ug/l	#	86
54) 1,1,2-Trichloroethane	8.43	97	10273	1.11 ug/l	#	69
55) Ethyl methacrylate	8.57	69	13498	1.13 ug/l	#	82
56) 1,3-Dichloropropane	8.79	76	21449	1.43 ug/l		97
58) 2-Hexanone	9.44	43	41455	7.26 ug/l		82
59) Dibromochloromethane	8.65	129	13691	1.05 ug/l		77
60) 1,2-Dibromoethane	8.92	107	13209	1.26 ug/l		94
63) Tetrachloroethene	8.10	164	15214	1.28 ug/l		91
64) Chlorobenzene	9.73	112	42109	1.34 ug/l	#	83
65) 1,1,1,2-Tetrachloroethane	9.86	131	12802	1.11 ug/l		70
66) Ethyl Benzene	9.84	91	72571	1.33 ug/l		96
67) m/p-Xylenes	10.07	106	57550	2.95 ug/l		93
68) o-Xylene	10.65	106	28246	1.39 ug/l		86
69) Styrene	10.73	104	44990	1.39 ug/l	#	79
70) Bromoform	10.71	173	7917	0.93 ug/l		90
72) Isopropylbenzene	11.07	105	77925	1.43 ug/l		95
73) N-amyl acetate	11.33	43	21296	1.41 ug/l	#	81
74) 1,1,2,2-Tetrachloroethane	11.63	83	18660	1.51 ug/l		97
75) 1,2,3-Trichloropropane	11.73	75	9662m	1.14 ug/l		
76) Bromobenzene	11.44	156	20713	1.34 ug/l		91
77) n-propylbenzene	11.55	91	102546	1.52 ug/l		98
78) 2-Chlorotoluene	11.66	91	57071	1.51 ug/l		93
79) 1,3,5-Trimethylbenzene	11.77	105	60074	1.35 ug/l		90
80) trans-1,4-Dichloro-2-buten	11.82	75	6370	1.40 ug/l	#	87
81) 4-Chlorotoluene	11.84	91	58034	1.39 ug/l		95
82) tert-Butylbenzene	12.08	119	64296	1.46 ug/l		90
83) 1,2,4-Trimethylbenzene	12.16	105	61457	1.35 ug/l		94
84) sec-Butylbenzene	12.25	105	85419	1.40 ug/l		90
85) p-Isopropyltoluene	12.40	119	66901	1.41 ug/l		95
86) 1,3-Dichlorobenzene	12.42	146	41103	1.56 ug/l		92
87) 1,4-Dichlorobenzene	12.51	146	37891	1.44 ug/l		88
88) n-Butylbenzene	12.79	91	70142	1.47 ug/l		93
89) Hexachloroethane	12.86	117	16680	1.48 ug/l		100
90) 1,2-Dichlorobenzene	12.89	146	35712	1.48 ug/l		83
91) 1,2-Dibromo-3-Chloropropan	13.57	75	1978	1.21 ug/l		70
92) 1,2,4-Trichlorobenzene	14.14	180	19108	1.37 ug/l		89
93) Hexachlorobutadiene	14.13	225	14740	1.39 ug/l		94
94) Naphthalene	14.38	128	29639	2.76 ug/l	#	97
95) 1,2,3-Trichlorobenzene	14.53	180	15795	1.37 ug/l		86

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

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