Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072016\
Data File : BG023197.D
Acq On : 20 Jul 2016 21:13
Operator : UM/SJ
Sample : MDL-05-W
Misc : MDL 4PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-05-W

Manual Integrations APPROVED
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7/21/2016 1:50:53 PM

Quant Time: Jul 21 10:33:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 21 04:24:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	118817	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	552108	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	422953	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1040663	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1133798	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1091177	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.50	96	10041	3.82	ng/uL	0.00
5) Phenol-d5	7.29	99	392710	32.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	288214	35.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	275902	33.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	323672	33.96	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	157861	35.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	185152	35.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	306556	31.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	450551	44.88	ng/ul	0.00
43) Dimethylphthalate-d6	14.21	166	1222968	34.78	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1375877	34.42	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	219514	35.37	ng/ul	0.00
57) Fluorene-d10	15.80	176	1105819	34.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	238130	33.26	ng/ul	0.00
70) Anthracene-d10	17.67	188	1683919	34.57	ng/ul	0.00
76) Pyrene-d10	19.96	212	1971860	33.70	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1817319	35.47	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.54	88	2653m	0.94	ng/uL	
4) Benzaldehyde	7.27	77	31622	4.16	ng/ul#	67
6) Phenol	7.32	94	36326	2.85	ng/ul#	71
8) Bis(2-Chloroethyl)ether	7.54	93	31887	3.33	ng/ul	91
10) 2-Chlorophenol	7.70	128	25390	3.00	ng/ul#	72
11) 2-Methylphenol	8.58	108	28750	3.05	ng/ul	83
12) 2,2'-oxybis(1-Chloropropan	8.67	45	41282	3.18	ng/ul#	91
14) Acetophenone	8.97	105	54682	3.30	ng/ul#	82
15) N-Nitroso-di-n-propylamine	8.94	70	32259	2.95	ng/ul#	78
16) 4-Methylphenol	8.92	108	30586	2.92	ng/ul	87
17) Hexachloroethane	9.24	117	12427	3.11	ng/ul	89
20) Nitrobenzene	9.36	77	45405	3.18	ng/ul#	72
21) Isophorone	9.88	82	86516	3.18	ng/ul#	89
23) 2-Nitrophenol	10.08	139	16673	3.03	ng/ul#	36
24) 2,4-Dimethylphenol	10.13	107	37205	2.94	ng/ul#	86
25) Bis(2-Chloroethoxy)methane	10.36	93	48009	3.19	ng/ul	95
27) 2,4-Dichlorophenol	10.62	162	27693	2.89	ng/ul#	74
28) Naphthalene	11.03	128	86630	3.12	ng/ul	97
30) 4-Chloroaniline	11.13	127	37802	3.64	ng/ul	92
31) Hexachlorobutadiene	11.31	225	23180	3.00	ng/ul	86
32) Caprolactam	11.93	113	11591m	2.91	ng/ul	
33) 4-Chloro-3-methylphenol	12.26	107	36374	2.89	ng/ul	88
34) 2-Methylnaphthalene	12.63	142	74429	3.24	ng/ul	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	44689	3.17	ng/ul	97
37) Hexachlorocyclopentadiene	12.97	237	20639	2.25	ng/ul#	83
38) 2,4,6-Trichlorophenol	13.24	196	27281	2.79	ng/ul	94
39) 2,4,5-Trichlorophenol	13.31	196	28582	2.87	ng/ul	89
40) 1,1'-Biphenyl	13.64	154	102700	3.24	ng/ul	91
41) 2-Chloronaphthalene	13.68	162	82094	3.21	ng/ul#	93
42) 2-Nitroaniline	13.89	65	33404	2.94	ng/ul#	55
44) Dimethylphthalate	14.25	163	113572	3.19	ng/ul	99
45) 2,6-Dinitrotoluene	14.38	165	21737	2.81	ng/ul#	67
47) Acenaphthylene	14.53	152	132837	3.28	ng/ul	99
48) 3-Nitroaniline	14.71	138	22789	3.45	ng/ul#	57
49) Acenaphthene	14.88	153	85953	3.14	ng/ul	96
50) 2,4-Dinitrophenol	14.92	184	8468	1.75	ng/ul#	63
52) 4-Nitrophenol	15.02	109	23388	3.17	ng/ul#	64
53) Dibenzofuran	15.21	168	132255	3.28	ng/ul	90
54) 2,4-Dinitrotoluene	15.17	165	35839	3.04	ng/ul#	68
55) 2,3,4,6-Tetrachlorophenol	15.44	232	29180	2.90	ng/ul#	97
56) Diethylphthalate	15.62	149	124418	3.28	ng/ul	95
58) Fluorene	15.86	166	105902	3.18	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.85	204	55889	3.06	ng/ul	98
60) 4-Nitroaniline	15.88	138	26849	3.31	ng/ul#	24
63) 4,6-Dinitro-2-methylphenol	15.93	198	24230	3.20	ng/ul#	1
64) N-Nitrosodiphenylamine	16.06	169	92109	3.06	ng/ul	95
65) 4-Bromophenyl-phenylether	16.74	248	36706	3.07	ng/ul	95
66) Hexachlorobenzene	16.87	284	36743	3.00	ng/ul	95
67) Atrazine	17.01	200	42435	3.31	ng/ul	92
68) Pentachlorophenol	17.22	266	16209	2.13	ng/ul	93
69) Phenanthrene	17.61	178	185803	3.47	ng/ul	98
71) Anthracene	17.71	178	192264	3.42	ng/ul	98
72) Carbazole	17.98	167	161035	3.64	ng/ul	95
73) Di-n-butylphthalate	18.52	149	208009	3.39	ng/ul#	97
74) Fluoranthene	19.62	202	230281	4.09	ng/ul#	89
77) Pyrene	19.99	202	245444	3.56	ng/ul#	89
78) Butylbenzylphthalate	20.86	149	92098	3.08	ng/ul#	82
79) 3,3'-Dichlorobenzidine	21.78	252	75844	3.35	ng/ul	98
80) Benzo(a)anthracene	21.87	228	231058	3.43	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.76	149	132567	3.24	ng/ul	98
82) Chrysene	21.94	228	212959	3.49	ng/ul	97
84) Di-n-octyl phthalate	23.03	149	226200	3.74	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	214470	3.23	ng/ul#	94
86) Benzo(k)fluoranthene	24.28	252	212345	3.38	ng/ul#	90
88) Benzo(a)pyrene	25.13	252	206729	3.27	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.18	276	225087m	3.16	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	185871m	3.17	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	185391m	3.15	ng/ul	

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

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