

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051516\  
 Data File : BG021897.D  
 Acq On : 15 May 2016 17:35  
 Operator : UM/SJ  
 Sample : H3096-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
 D9XG4

**Manual Integrations**  
**APPROVED**  
 sohil  
 5/16/2016 7:04:09 PM

Quant Time: May 16 03:41:13 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG050916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 16 01:27:47 2016  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	274779	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	168834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	378529	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	386032	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	385417	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	4324	3.69	ng/uL	0.00
5) Phenol-d5	7.31	99	78029	18.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	44208	21.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	81675	25.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	51164	14.50	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	42862	23.73	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	46342	40.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	80784	25.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	72850m	20.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	276681	23.33	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	377374	22.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	31197m	15.35	ng/ul	0.00
58) Fluorene-d10	15.78	176	269111	21.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	36590	34.90	ng/ul	0.00
71) Anthracene-d10	17.63	188	402270	21.83	ng/ul	0.00
77) Pyrene-d10	19.91	212	435803	24.12	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	412130	22.51	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	11.03	128	61467	4.46	ng/ul	97
34) 2-Methylnaphthalene	12.63	142	16392	1.62	ng/ul	99
35) 1-Methylnaphthalene	12.85	142	12790	1.27	ng/ul#	98
45) Dimethylphthalate	14.24	163	71502	5.92	ng/ul	99
50) Acenaphthene	14.85	153	55028	4.59	ng/ul	97
54) Dibenzofuran	15.19	168	32924	2.05	ng/ul#	81
59) Fluorene	15.83	166	33872	2.44	ng/ul#	94
69) Pentachlorophenol	17.18	266	3935m	2.26	ng/ul	
70) Phenanthrene	17.58	178	645767	31.20	ng/ul	96
72) Anthracene	17.67	178	117368	5.58	ng/ul	99
73) Carbazole	17.94	167	99306	5.45	ng/ul#	96
74) Di-n-butylphthalate	18.48	149	17395	1.05	ng/ul#	93
75) Fluoranthene	19.58	202	1015075	43.17	ng/ul#	93
78) Pyrene	19.94	202	859074m	38.46	ng/ul	
79) Butylbenzylphthalate	20.81	149	12159	2.46	ng/ul#	79
81) Benzo(a)anthracene	21.80	228	472607	22.00	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	104846	13.01	ng/ul	99
83) Chrysene	21.87	228	455174	21.42	ng/ul	95
86) Benzo(b)fluoranthene	24.09	252	804413	36.46	ng/ul#	93
87) Benzo(k)fluoranthene	24.16	252	167195m	7.08	ng/ul	
89) Benzo(a)pyrene	25.00	252	485175	22.09	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.99	276	391704	15.05	ng/ul	97
91) Dibenzo(a,h)anthracene	29.02	278	89961m	4.15	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(g,h,i)perylene	30.17	276	391282m	18.21	ng/ul	

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

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