

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057445.D
 Acq On : 17 May 2023 13:16
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 18 01:56:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.363	152	16597	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	66507	20.000	ng	0.00
39) Acenaphthene-d10	14.978	164	53437	20.000	ng	0.00
64) Phenanthrene-d10	17.721	188	134910	20.000	ng	0.00
76) Chrysene-d12	22.027	240	124672	20.000	ng	0.00
86) Perylene-d12	25.540	264	131882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	99834	102.896	ng	0.00
7) Phenol-d6	7.500	99	151797	103.029	ng	0.00
23) Nitrobenzene-d5	9.538	82	114476	72.243	ng	0.00
42) 2,4,6-Tribromophenol	16.464	330	87167	114.963	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	310749	78.320	ng	0.00
79) Terphenyl-d14	20.288	244	564885	73.942	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.681	88	1737	4.330	ng	97
3) Pyridine	4.116	79	5042	3.911	ng	95
4) n-Nitrosodimethylamine	4.016	42	2076	3.427	ng	# 97
6) Aniline	7.682	93	8365	4.475	ng	# 87
8) 2-Chlorophenol	7.923	128	4444	4.335	ng	92
10) Phenol	7.523	94	6640	4.623	ng	82
11) bis(2-Chloroethyl)ether	7.764	93	4879	4.505	ng	98
12) 1,3-Dichlorobenzene	8.252	146	5274	4.661	ng	# 89
13) 1,4-Dichlorobenzene	8.399	146	5306	4.668	ng	94
14) 1,2-Dichlorobenzene	8.722	146	4878	4.446	ng	96
15) Benzyl Alcohol	8.604	79	4355	3.548	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.880	45	5949	4.358	ng	93
17) 2-Methylphenol	8.804	107	4264	4.119	ng	96
18) Hexachloroethane	9.462	117	1936	4.720	ng	86
19) n-Nitroso-di-n-propyla...	9.156	70	4608	4.102	ng	# 94
20) 3+4-Methylphenols	9.133	107	6011	4.240	ng	87
22) Acetophenone	9.192	105	8406	4.416	ng	# 95
24) Nitrobenzene	9.585	77	6613	4.135	ng	90
25) Isophorone	10.102	82	11545	3.757	ng	98
26) 2-Nitrophenol	10.308	139	2623	4.285	ng	95
27) 2,4-Dimethylphenol	10.349	122	4763	4.443	ng	# 88
28) bis(2-Chloroethoxy)met...	10.584	93	6724	4.368	ng	# 96
29) 2,4-Dichlorophenol	10.854	162	5179	4.555	ng	82
30) 1,2,4-Trichlorobenzene	11.060	180	6231	4.751	ng	95
31) Naphthalene	11.254	128	16133	4.537	ng	95
33) 4-Chloroaniline	11.359	127	6730	4.215	ng	# 92
34) Hexachlorobutadiene	11.524	225	4593	4.720	ng	97
35) Caprolactam	12.111	113	1616	4.161	ng	# 54
36) 4-Chloro-3-methylphenol	12.452	107	6174	4.778	ng	95
37) 2-Methylnaphthalene	12.834	142	12639	4.521	ng	97
38) 1-Methylnaphthalene	13.045	142	12675	4.810	ng	97
40) 1,2,4,5-Tetrachloroben...	13.192	216	9261	4.882	ng	# 98
41) Hexachlorocyclopentadiene	13.169	237	488	6.788	ng	94
43) 2,4,6-Trichlorophenol	13.433	196	4961	4.292	ng	97
44) 2,4,5-Trichlorophenol	13.515	196	5735	4.218	ng	# 96
46) 1,1'-Biphenyl	13.815	154	19134	4.825	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.868	162	14470	4.907	ng	97
48) 2-Nitroaniline	14.067	65	3976	3.966	ng	97
49) Acenaphthylene	14.708	152	22569	4.711	ng	98
50) Dimethylphthalate	14.414	163	19025	4.333	ng	96
51) 2,6-Dinitrotoluene	14.543	165	4094	4.566	ng	93
52) Acenaphthene	15.043	154	14010	4.680	ng	90
53) 3-Nitroaniline	14.884	138	3550	3.952	ng	98
54) 2,4-Dinitrophenol	15.131	184	54	5.008	ng	# 18
55) Dibenzofuran	15.377	168	23214	4.616	ng	96
56) 4-Nitrophenol	15.213	139	1979	3.313	ng	# 75
57) 2,4-Dinitrotoluene	15.336	165	5475	4.273	ng	# 94
58) Fluorene	16.024	166	19605	4.732	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.606	232	5239	4.251	ng	# 95
60) Diethylphthalate	15.759	149	19247	4.316	ng	96
61) 4-Chlorophenyl-phenyle...	16.000	204	11459	4.591	ng	93
62) 4-Nitroaniline	16.041	138	3450	3.807	ng	92
63) Azobenzene	16.294	77	18051	4.195	ng	95
65) 4,6-Dinitro-2-methylph...	16.106	198	2265	2.812	ng	94
66) n-Nitrosodiphenylamine	16.212	169	16176	4.415	ng	95
67) 4-Bromophenyl-phenylether	16.893	248	7556	4.588	ng	92
68) Hexachlorobenzene	17.028	284	8261	5.162	ng	# 89
69) Atrazine	17.146	200	7240	5.180	ng	92
71) Phenanthrene	17.762	178	33218	4.805	ng	99
72) Anthracene	17.851	178	32201	4.540	ng	99
73) Carbazole	18.121	167	26577	4.451	ng	99
74) Di-n-butylphthalate	18.638	149	29054	4.229	ng	# 96
75) Fluoranthene	19.754	202	37608	4.374	ng	97
77) Benzidine	19.918	184	17291	6.204	ng	97
78) Pyrene	20.112	202	40012	4.417	ng	98
80) Butylbenzylphthalate	20.964	149	12443	4.329	ng	95
81) Benzo(a)anthracene	22.010	228	38670	4.354	ng	99
82) 3,3'-Dichlorobenzidine	21.904	252	15457	5.433	ng	99
83) Chrysene	22.080	228	37234	4.455	ng	98
84) Bis(2-ethylhexyl)phtha...	21.851	149	18266	4.295	ng	96
85) Di-n-octyl phthalate	23.149	149	30817	4.346	ng	98
87) Indeno(1,2,3-cd)pyrene	29.593	276	42172	4.388	ng	# 96
88) Benzo(b)fluoranthene	24.412	252	38929	4.516	ng	98
89) Benzo(k)fluoranthene	24.483	252	38692m	4.417	ng	
90) Benzo(a)pyrene	25.370	252	33773	4.010	ng	# 99
91) Dibenzo(a,h)anthracene	29.640	278	35573	4.444	ng	# 91
92) Benzo(g,h,i)perylene	30.862	276	34738	4.445	ng	94

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

Manual Integrations

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