

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057448.D
 Acq On : 17 May 2023 17:25
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 18 01:58:12 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	16904	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	69348	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	57083	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	144166	20.000	ng	0.00
76) Chrysene-d12	22.025	240	135712	20.000	ng	0.00
86) Perylene-d12	25.526	264	148221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	82728	83.717	ng	0.00
7) Phenol-d6	7.497	99	125765	83.810	ng	0.00
23) Nitrobenzene-d5	9.536	82	92622	56.057	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	72174	89.109	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	254759	60.107	ng	0.00
79) Terphenyl-d14	20.286	244	471939	56.750	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.673	88	3035	7.428	ng	# 91
3) Pyridine	4.108	79	7934m	6.042	ng	
4) n-Nitrosodimethylamine	4.008	42	3563	5.774	ng	94
6) Aniline	7.668	93	13388	7.033	ng	96
8) 2-Chlorophenol	7.920	128	8231	7.883	ng	96
9) Benzaldehyde	7.486	77	12723	10.911	ng	100
10) Phenol	7.527	94	10518	7.190	ng	96
11) bis(2-Chloroethyl)ether	7.756	93	7512	6.810	ng	95
12) 1,3-Dichlorobenzene	8.243	146	8775	7.614	ng	93
13) 1,4-Dichlorobenzene	8.396	146	8767	7.573	ng	96
14) 1,2-Dichlorobenzene	8.719	146	8965	8.022	ng	98
15) Benzyl Alcohol	8.590	79	7714	6.171	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.878	45	9111	6.553	ng	98
17) 2-Methylphenol	8.796	107	7222	6.849	ng	89
18) Hexachloroethane	9.454	117	3199	7.658	ng	100
19) n-Nitroso-di-n-propyla...	9.154	70	7295	6.375	ng	# 97
20) 3+4-Methylphenols	9.130	107	10093	6.990	ng	95
22) Acetophenone	9.189	105	14051	7.079	ng	# 92
24) Nitrobenzene	9.583	77	11277	6.762	ng	95
25) Isophorone	10.094	82	20545	6.412	ng	99
26) 2-Nitrophenol	10.299	139	4670	7.316	ng	# 87
27) 2,4-Dimethylphenol	10.341	122	8272	7.400	ng	100
28) bis(2-Chloroethoxy)met...	10.576	93	11278	7.026	ng	99
29) 2,4-Dichlorophenol	10.846	162	8821	7.441	ng	97
30) 1,2,4-Trichlorobenzene	11.057	180	9955	7.280	ng	99
31) Naphthalene	11.245	128	26616	7.179	ng	96
32) Benzoic acid	10.487	122	2897m	8.770	ng	
33) 4-Chloroaniline	11.351	127	11623	6.981	ng	95
34) Hexachlorobutadiene	11.515	225	7621	7.511	ng	94
35) Caprolactam	12.097	113	2858	7.057	ng	# 85
36) 4-Chloro-3-methylphenol	12.449	107	9707	7.205	ng	99
37) 2-Methylnaphthalene	12.825	142	21020	7.211	ng	99
38) 1-Methylnaphthalene	13.043	142	19816m	7.212	ng	
40) 1,2,4,5-Tetrachloroben...	13.190	216	15265	7.533	ng	# 98
41) Hexachlorocyclopentadiene	13.166	237	1891	8.083	ng	94
43) 2,4,6-Trichlorophenol	13.425	196	8745	7.083	ng	94

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44) 2,4,5-Trichlorophenol	13.507	196	9204	6.338	ng	95	05/18/2023
46) 1,1'-Biphenyl	13.812	154	31020	7.323	ng	99	
47) 2-Chloronaphthalene	13.865	162	23300	7.397	ng	98	
48) 2-Nitroaniline	14.065	65	6658	6.217	ng	91	
49) Acenaphthylene	14.705	152	36755	7.183	ng	97	
50) Dimethylphthalate	14.406	163	31384	6.691	ng	97	
51) 2,6-Dinitrotoluene	14.541	165	6751	7.049	ng	90	
52) Acenaphthene	15.040	154	22611	7.071	ng	92	
53) 3-Nitroaniline	14.881	138	6180	6.441	ng	83	
54) 2,4-Dinitrophenol	15.105	184	1412	7.151	ng	95	
55) Dibenzofuran	15.369	168	38143	7.099	ng	98	
56) 4-Nitrophenol	15.187	139	6077	9.523	ng	# 77	
57) 2,4-Dinitrotoluene	15.328	165	9774	7.141	ng	# 95	
58) Fluorene	16.015	166	32377	7.316	ng	98	
59) 2,3,4,6-Tetrachlorophenol	15.598	232	8936	6.787	ng	# 96	
60) Diethylphthalate	15.757	149	32425	6.807	ng	99	
61) 4-Chlorophenyl-phenyle...	15.998	204	18780	7.044	ng	97	
62) 4-Nitroaniline	16.033	138	6652	6.872	ng	# 85	
63) Azobenzene	16.291	77	29355	6.387	ng	95	
65) 4,6-Dinitro-2-methylph...	16.097	198	6035	7.012	ng	89	
66) n-Nitrosodiphenylamine	16.209	169	27144	6.932	ng	100	
67) 4-Bromophenyl-phenylether	16.891	248	12133	6.894	ng	94	
68) Hexachlorobenzene	17.020	284	13073	7.644	ng	96	
69) Atrazine	17.137	200	11785	7.890	ng	95	
70) Pentachlorophenol	17.372	266	7467m	7.576	ng		
71) Phenanthrene	17.760	178	53524	7.245	ng	99	
72) Anthracene	17.848	178	54114	7.139	ng	98	
73) Carbazole	18.112	167	46047	7.216	ng	99	
74) Di-n-butylphthalate	18.629	149	50473	6.874	ng	98	
75) Fluoranthene	19.751	202	63374	6.898	ng	98	
77) Benzidine	19.916	184	29899	9.855	ng	96	
78) Pyrene	20.110	202	66018	6.694	ng	98	
80) Butylbenzylphthalate	20.961	149	21270	6.798	ng	92	
81) Benzo(a)anthracene	22.007	228	65912	6.817	ng	97	
82) 3,3'-Dichlorobenzidine	21.901	252	25663	8.286	ng	99	
83) Chrysene	22.078	228	60946	6.699	ng	97	
84) Bis(2-ethylhexyl)phtha...	21.849	149	30506	6.589	ng	95	
85) Di-n-octyl phthalate	23.147	149	51186	6.632	ng	99	
87) Indeno(1,2,3-cd)pyrene	29.567	276	70830	6.557	ng	# 98	
88) Benzo(b)fluoranthene	24.404	252	66636	6.877	ng	97	
89) Benzo(k)fluoranthene	24.474	252	63777	6.478	ng	97	
90) Benzo(a)pyrene	25.361	252	57811	6.107	ng	99	
91) Dibenzo(a,h)anthracene	29.638	278	58876	6.544	ng	# 93	
92) Benzo(g,h,i)perylene	30.854	276	57775	6.577	ng	# 97	

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

Manual Integrations

05/18/2023
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Upadhyay

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