

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG064002.D
 Acq On : 5 Feb 2025 17:14
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 05 18:08:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	70749	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	305764	20.000	ng	0.00
39) Acenaphthene-d10	14.497	164	207414	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	458251	20.000	ng	0.00
76) Chrysene-d12	21.472	240	485922	20.000	ng	0.00
86) Perylene-d12	24.498	264	506692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	544219	123.331	ng	0.00
7) Phenol-d6	7.036	99	795502	131.366	ng	0.00
23) Nitrobenzene-d5	9.022	82	535832	106.505	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	314830	131.215	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	1217258	89.917	ng	0.00
79) Terphenyl-d14	19.862	244	2074225	89.149	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	18547	8.850	ng	97
3) Pyridine	3.787	79	43829	7.745	ng	95
4) n-Nitrosodimethylamine	3.698	42	28068	8.626	ng	# 85
6) Aniline	7.200	93	64146	9.885	ng	96
8) 2-Chlorophenol	7.435	128	42659	9.487	ng	98
9) Benzaldehyde	7.012	77	42276	12.788	ng	96
10) Phenol	7.059	94	58124	9.118	ng	91
11) bis(2-Chloroethyl)ether	7.300	93	46199	9.000	ng	94
12) 1,3-Dichlorobenzene	7.764	146	45390	8.483	ng	100
13) 1,4-Dichlorobenzene	7.911	146	46153	8.541	ng	91
14) 1,2-Dichlorobenzene	8.228	146	46249	8.930	ng	93
15) Benzyl Alcohol	8.105	79	40491	8.946	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.393	45	99099	9.588	ng	98
17) 2-Methylphenol	8.305	107	35174	8.532	ng	94
18) Hexachloroethane	8.951	117	16227	9.125	ng	96
19) n-Nitroso-di-n-propyla...	8.675	70	38262	9.124	ng	97
20) 3+4-Methylphenols	8.628	107	48828	8.890	ng	95
22) Acetophenone	8.687	105	77725	9.252	ng	98
24) Nitrobenzene	9.063	77	55899	12.671	ng	97
25) Isophorone	9.586	82	107702	9.875	ng	97
26) 2-Nitrophenol	9.768	139	13137	17.500	ng	# 80
27) 2,4-Dimethylphenol	9.832	122	23604	7.524	ng	93
28) bis(2-Chloroethoxy)met...	10.073	93	62562	9.015	ng	99
29) 2,4-Dichlorophenol	10.302	162	37323	11.695	ng	94
30) 1,2,4-Trichlorobenzene	10.526	180	46657	9.052	ng	98
31) Naphthalene	10.714	128	147371	8.990	ng	100
32) Benzoic acid	9.909	122	12088m	13.385	ng	
33) 4-Chloroaniline	10.808	127	55750	8.876	ng	96
34) Hexachlorobutadiene	11.007	225	29553	9.004	ng	98
35) Caprolactam	11.554	113	14370	13.282	ng	# 71
36) 4-Chloro-3-methylphenol	11.930	107	47247	9.409	ng	# 93
37) 2-Methylnaphthalene	12.324	142	103146	9.029	ng	98
38) 1-Methylnaphthalene	12.541	142	98057	8.675	ng	98
40) 1,2,4,5-Tetrachloroben...	12.688	216	55640	9.097	ng	98
41) Hexachlorocyclopentadiene	12.670	237	11861	7.662	ng	88
43) 2,4,6-Trichlorophenol	12.923	196	28949	12.127	ng	94

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44) 2,4,5-Trichlorophenol	12.993	196	33032	11.437	ng	98
46) 1,1'-Biphenyl	13.334	154	147603	9.347	ng	96
47) 2-Chloronaphthalene	13.369	162	105687	9.182	ng	94
48) 2-Nitroaniline	13.563	65	27740	13.988	ng	93
49) Acenaphthylene	14.215	152	168057	9.400	ng	99
50) Dimethylphthalate	13.951	163	128734	9.361	ng	98
51) 2,6-Dinitrotoluene	14.063	165	21713	12.979	ng	97
52) Acenaphthene	14.556	154	106610	8.890	ng	99
53) 3-Nitroaniline	14.386	138	22395	11.864	ng	# 95
54) 2,4-Dinitrophenol	14.592	184	4035	12.170	ng	# 75
55) Dibenzofuran	14.891	168	169296	8.694	ng	97
56) 4-Nitrophenol	14.685	139	17550	14.337	ng	97
57) 2,4-Dinitrotoluene	14.850	165	26237	12.874	ng	98
58) Fluorene	15.543	166	134789	8.956	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.120	232	31783	12.468	ng	100
60) Diethylphthalate	15.320	149	133839	9.179	ng	99
61) 4-Chlorophenyl-phenyle...	15.543	204	69506	9.204	ng	98
62) 4-Nitroaniline	15.549	138	25160	11.034	ng	92
63) Azobenzene	15.831	77	147512	8.565	ng	98
65) 4,6-Dinitro-2-methylph...	15.608	198	8470	14.036	ng	87
66) n-Nitrosodiphenylamine	15.749	169	114488	9.011	ng	95
67) 4-Bromophenyl-phenylether	16.436	248	42162	9.244	ng	95
68) Hexachlorobenzene	16.542	284	49017	9.141	ng	98
69) Atrazine	16.701	200	42304	10.005	ng	96
70) Pentachlorophenol	16.883	266	21434	14.143	ng	96
71) Phenanthrene	17.277	178	222058	9.226	ng	97
72) Anthracene	17.365	178	212944	8.842	ng	99
73) Carbazole	17.635	167	203554	9.029	ng	95
74) Di-n-butylphthalate	18.217	149	225037	9.576	ng	98
75) Fluoranthene	19.286	202	260499	8.888	ng	99
77) Benzidine	19.468	184	81666	7.892	ng	# 95
78) Pyrene	19.644	202	280764	9.359	ng	99
80) Butylbenzylphthalate	20.555	149	87181	12.916	ng	99
81) Benzo(a)anthracene	21.448	228	293186	9.503	ng	99
82) 3,3'-Dichlorobenzidine	21.372	252	93672	9.749	ng	96
83) Chrysene	21.513	228	279937	9.118	ng	100
84) Bis(2-ethylhexyl)phtha...	21.395	149	146255	12.365	ng	98
85) Di-n-octyl phthalate	22.547	149	235360	14.265	ng	100
87) Indeno(1,2,3-cd)pyrene	27.894	276	306811	9.386	ng	# 89
88) Benzo(b)fluoranthene	23.540	252	264296	8.858	ng	95
89) Benzo(k)fluoranthene	23.604	252	282010	9.205	ng	99
90) Benzo(a)pyrene	24.351	252	248758	9.341	ng	97
91) Dibenzo(a,h)anthracene	27.970	278	251439	9.110	ng	98
92) Benzo(g,h,i)perylene	28.951	276	240919	8.646	ng	95

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

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