

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110124\
 Data File : BG063142.D
 Acq On : 1 Nov 2024 11:04
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 8 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2024
 Supervised By :mohammad ahmed 11/05/2024

Quant Time: Nov 01 13:34:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 01 05:13:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.848	152	137133	20.000	ng	# 0.00
21) Naphthalene-d8	10.633	136	555826	20.000	ng	# 0.00
39) Acenaphthene-d10	14.481	164	443782	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	1044336	20.000	ng	0.00
76) Chrysene-d12	21.485	240	1200558	20.000	ng	0.00
86) Perylene-d12	24.522	264	1297705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	1022053	115.569	ng	0.00
7) Phenol-d6	7.019	99	1448414	124.981	ng	0.00
23) Nitrobenzene-d5	8.999	82	1161136	90.857	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	912347	121.029	ng	0.00
45) 2-Fluorobiphenyl	13.100	172	2488777	83.062	ng	0.00
79) Terphenyl-d14	19.863	244	4273148	73.245	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.365	88	26402	7.598	ng	98
3) Pyridine	3.752	79	65924	7.859	ng	93
4) n-Nitrosodimethylamine	3.664	42	41758	8.014	ng	# 93
6) Aniline	7.178	93	109858	10.541	ng	95
8) 2-Chlorophenol	7.413	128	72857	8.871	ng	94
9) Benzaldehyde	6.984	77	83052	11.533	ng	# 82
10) Phenol	7.043	94	105189	8.473	ng	95
11) bis(2-Chloroethyl)ether	7.272	93	71946	8.592	ng	88
12) 1,3-Dichlorobenzene	7.736	146	81733	8.202	ng	98
13) 1,4-Dichlorobenzene	7.883	146	83002	8.171	ng	98
14) 1,2-Dichlorobenzene	8.194	146	83469	8.525	ng	95
15) Benzyl Alcohol	8.083	79	83329	8.948	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.365	45	135409	8.915	ng	93
17) 2-Methylphenol	8.282	107	63085	7.988	ng	90
18) Hexachloroethane	8.917	117	30605	8.419	ng	93
19) n-Nitroso-di-n-propyla...	8.647	70	72772	9.017	ng	98
20) 3+4-Methylphenols	8.617	107	81450	7.733	ng	93
22) Acetophenone	8.658	105	132067	8.867	ng	# 92
24) Nitrobenzene	9.040	77	114827	8.309	ng	100
25) Isophorone	9.557	82	199842	9.040	ng	# 96
26) 2-Nitrophenol	9.745	139	41122	8.091	ng	92
27) 2,4-Dimethylphenol	9.816	122	33355	5.338	ng	96
28) bis(2-Chloroethoxy)met...	10.039	93	95797	8.265	ng	97
29) 2,4-Dichlorophenol	10.286	162	72576	7.691	ng	# 75
30) 1,2,4-Trichlorobenzene	10.498	180	92592	7.977	ng	98
31) Naphthalene	10.685	128	241562	8.239	ng	99
32) Benzoic acid	9.922	122	18623m	3.420	ng	
33) 4-Chloroaniline	10.791	127	90352	9.131	ng	98
34) Hexachlorobutadiene	10.973	225	74389	7.787	ng	88
35) Caprolactam	11.543	113	24839m	8.242	ng	
36) 4-Chloro-3-methylphenol	11.919	107	79868	7.346	ng	95
37) 2-Methylnaphthalene	12.295	142	166567	8.008	ng	89
38) 1-Methylnaphthalene	12.513	142	157372	7.687	ng	# 100
40) 1,2,4,5-Tetrachloroben...	12.671	216	128889	8.082	ng	98
41) Hexachlorocyclopentadiene	12.648	237	14360	2.771	ng	81
43) 2,4,6-Trichlorophenol	12.912	196	74740m	7.828	ng	

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44) 2,4,5-Trichlorophenol	12.983	196	77204	7.355	ng	96
46) 1,1'-Biphenyl	13.312	154	252653	8.388	ng	97
47) 2-Chloronaphthalene	13.353	162	198557	7.871	ng	96
48) 2-Nitroaniline	13.553	65	68217	7.705	ng	89
49) Acenaphthylene	14.199	152	301180	8.457	ng	97
50) Dimethylphthalate	13.935	163	248121	7.845	ng	99
51) 2,6-Dinitrotoluene	14.052	165	47959	7.102	ng	91
52) Acenaphthene	14.546	154	172387	7.819	ng	95
53) 3-Nitroaniline	14.387	138	49974	7.795	ng	# 90
54) 2,4-Dinitrophenol	14.593	184	19774	4.801	ng	95
55) Dibenzofuran	14.881	168	319205	8.211	ng	98
56) 4-Nitrophenol	14.698	139	36263	7.471	ng	94
57) 2,4-Dinitrotoluene	14.845	165	72147	7.470	ng	# 96
58) Fluorene	15.533	166	244829	7.947	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.110	232	79764	7.918	ng	97
60) Diethylphthalate	15.304	149	257066	7.916	ng	97
61) 4-Chlorophenyl-phenyle...	15.527	204	152165	7.947	ng	# 89
62) 4-Nitroaniline	15.550	138	56169	7.941	ng	# 71
63) Azobenzene	15.815	77	276994	8.246	ng	96
65) 4,6-Dinitro-2-methylph...	15.609	198	47005	7.001	ng	94
66) n-Nitrosodiphenylamine	15.738	169	223779	8.589	ng	98
67) 4-Bromophenyl-phenylether	16.420	248	104608	8.173	ng	91
68) Hexachlorobenzene	16.537	284	122651	8.272	ng	97
69) Atrazine	16.690	200	101473	8.473	ng	97
70) Pentachlorophenol	16.890	266	44596	6.045	ng	98
71) Phenanthrene	17.272	178	436219	8.616	ng	99
72) Anthracene	17.360	178	405560	8.162	ng	95
73) Carbazole	17.636	167	384781	8.226	ng	98
74) Di-n-butylphthalate	18.194	149	428132	8.061	ng	97
75) Fluoranthene	19.293	202	564661	7.879	ng	98
77) Benzidine	19.475	184	148523	8.029	ng	96
78) Pyrene	19.651	202	594264	8.350	ng	98
80) Butylbenzylphthalate	20.550	149	186694	8.142	ng	98
81) Benzo(a)anthracene	21.461	228	632206	8.362	ng	96
82) 3,3'-Dichlorobenzidine	21.385	252	235959	8.418	ng	97
83) Chrysene	21.526	228	598941	8.434	ng	100
84) Bis(2-ethylhexyl)phtha...	21.379	149	276759	8.320	ng	99
85) Di-n-octyl phthalate	22.525	149	460964	8.283	ng	99
87) Indeno(1,2,3-cd)pyrene	27.936	276	768807	8.827	ng	# 94
88) Benzo(b)fluoranthene	23.559	252	637588	8.427	ng	95
89) Benzo(k)fluoranthene	23.623	252	644365	8.927	ng	99
90) Benzo(a)pyrene	24.369	252	593542	8.988	ng	99
91) Dibenzo(a,h)anthracene	27.989	278	638822	8.787	ng	98
92) Benzo(g,h,i)perylene	29.011	276	581314	8.089	ng	96

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

