Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071322\
Data File : BG054270.D
Acq On : 13 Jul 2022 11:30
Operator : CG/JU
Sample : N3214-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 12:11:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 13 12:11:21 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.042	152	16005	20.000	ng		0.00
21) Naphthalene-d8	10.850	136	58031	20.000	ng	#	0.00
39) Acenaphthene-d10	14.670	164	45854	20.000	ng		0.00
64) Phenanthrene-d10	17.413	188	127108	20.000	ng	#	0.00
76) Chrysene-d12	21.685	240	164383	20.000	ng	#	0.00
86) Perylene-d12	24.928	264	169900	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.610	112	89167	111.931	ng		0.00
7) Phenol-d6	7.208	99	124129	112.973	ng		0.00
23) Nitrobenzene-d5	9.205	82	97998	91.641	ng		0.00
42) 2,4,6-Tribromophenol	16.156	330	120885	136.095	ng		0.00
45) 2-Fluorobiphenyl	13.295	172	303198	97.157	ng		0.00
79) Terphenyl-d14	20.022	244	713760	89.289	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.489	88	1387	3.981	ng	#	72
3) Pyridine	3.900	79	2167	2.490	ng	#	79
4) n-Nitrosodimethylamine	3.812	42	1189	2.705	ng	#	46
6) Aniline	7.360	93	4740	3.670	ng		98
8) 2-Chlorophenol	7.607	128	3288	3.682	ng		91
9) Benzaldehyde	7.178	77	3259	4.939	ng		79
10) Phenol	7.231	94	3669	3.310	ng	#	51
11) bis(2-Chloroethyl)ether	7.460	93	2994	3.662	ng		95
12) 1,3-Dichlorobenzene	7.930	146	4339m	4.002	ng		
13) 1,4-Dichlorobenzene	8.077	146	4352	3.917	ng		92
14) 1,2-Dichlorobenzene	8.400	146	4142	3.883	ng		97
15) Benzyl Alcohol	8.277	79	3126	3.529	ng	#	91
16) 2,2'-oxybis(1-Chloropr...	8.559	45	3485	3.070	ng		95
17) 2-Methylphenol	8.489	107	2657	3.355	ng	#	89
18) Hexachloroethane	9.117	117	1369	3.622	ng		91
19) n-Nitroso-di-n-propyla...	8.841	70	2441	3.254	ng	#	92
20) 3+4-Methylphenols	8.812	107	3594	3.234	ng		86
22) Acetophenone	8.865	105	5356	3.819	ng	#	97
24) Nitrobenzene	9.246	77	4656	4.429	ng	#	82
25) Isophorone	9.769	82	6986	3.611	ng	#	89
26) 2-Nitrophenol	9.957	139	1716	3.313	ng		92
27) 2,4-Dimethylphenol	10.016	122	3032	4.185	ng		87
28) bis(2-Chloroethoxy)met...	10.251	93	3727	3.785	ng	#	95
29) 2,4-Dichlorophenol	10.510	162	3549	3.380	ng		78
30) 1,2,4-Trichlorobenzene	10.715	180	5423	4.186	ng	#	92
31) Naphthalene	10.897	128	10882	3.729	ng		99
33) 4-Chloroaniline	11.009	127	4104	3.382	ng	#	88
34) Hexachlorobutadiene	11.185	225	4630	4.307	ng		98
35) Caprolactam	11.749	113	765	2.558	ng	#	47
36) 4-Chloro-3-methylphenol	12.137	107	3235	3.202	ng	#	73
37) 2-Methylnaphthalene	12.507	142	8216	3.674	ng		91
38) 1-Methylnaphthalene	12.719	142	8028	3.697	ng		99
40) 1,2,4,5-Tetrachloroben...	12.872	216	8274	4.445	ng	#	95
41) Hexachlorocyclopentadiene	12.848	237	115	0.247	ng	#	26
43) 2,4,6-Trichlorophenol	13.113	196	3733	3.492	ng		95
44) 2,4,5-Trichlorophenol	13.189	196	3987	3.410	ng	#	89

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.506	154	12546	4.069	ng		93
47) 2-Chloronaphthalene	13.553	162	10169	3.945	ng	#	87
48) 2-Nitroaniline	13.753	65	2305	3.159	ng		88
49) Acenaphthylene	14.393	152	15828	4.047	ng		98
50) Dimethylphthalate	14.117	163	13882	3.856	ng	#	97
51) 2,6-Dinitrotoluene	14.235	165	2658	3.397	ng	#	61
52) Acenaphthene	14.734	154	9074	3.836	ng		95
53) 3-Nitroaniline	14.570	138	2398	3.457	ng	#	79
55) Dibenzofuran	15.069	168	16581	3.991	ng	#	87
56) 4-Nitrophenol	14.910	139	881	1.977	ng	#	71
57) 2,4-Dinitrotoluene	15.034	165	3708	3.272	ng	#	85
58) Fluorene	15.715	166	13797	3.998	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.298	232	3707	3.165	ng	#	82
60) Diethylphthalate	15.474	149	13375	3.809	ng		100
61) 4-Chlorophenyl-phenyle...	15.704	204	8899	4.059	ng	#	83
62) 4-Nitroaniline	15.733	138	2404	3.318	ng		96
63) Azobenzene	15.997	77	9146	3.456	ng		86
65) 4,6-Dinitro-2-methylph...	15.798	198	1579	2.112	ng		73
66) n-Nitrosodiphenylamine	15.915	169	12083	3.769	ng		98
67) 4-Bromophenyl-phenylether	16.597	248	6876	4.056	ng	#	91
68) Hexachlorobenzene	16.726	284	7802	4.032	ng	#	91
69) Atrazine	16.861	200	5871	4.146	ng		92
70) Pentachlorophenol	17.078	266	1505	1.936	ng	#	82
71) Phenanthrene	17.460	178	24011	3.776	ng		99
72) Anthracene	17.548	178	24373	3.914	ng		98
73) Carbazole	17.819	167	19830	3.761	ng		98
74) Di-n-butylphthalate	18.365	149	22171	3.551	ng		99
75) Fluoranthene	19.464	202	33720	3.900	ng		95
77) Benzidine	19.640	184	15127	5.242	ng	#	97
78) Pyrene	19.828	202	35107	3.711	ng		99
80) Butylbenzylphthalate	20.704	149	9631	3.142	ng	#	84
81) Benzo(a)anthracene	21.667	228	39927	3.840	ng		99
82) 3,3'-Dichlorobenzidine	21.579	252	15481	4.871	ng	#	95
83) Chrysene	21.732	228	37391	3.802	ng		98
84) Bis(2-ethylhexyl)phtha...	21.567	149	14768	3.396	ng	#	94
85) Di-n-octyl phthalate	22.778	149	26440	3.531	ng	#	93
87) Indeno(1,2,3-cd)pyrene	28.624	276	46750	3.658	ng	#	96
88) Benzo(b)fluoranthene	23.888	252	39268	3.898	ng	#	98
89) Benzo(k)fluoranthene	23.953	252	40714	4.073	ng	#	96
90) Benzo(a)pyrene	24.769	252	39185	4.546	ng		96
91) Dibenzo(a,h)anthracene	28.671	278	41064	3.922	ng	#	97
92) Benzo(g,h,i)perylene	29.787	276	40899	3.916	ng	#	92

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

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