Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
Data File : BG062639.D
Acq On : 4 Sep 2024 11:45
Operator : MA/JU
Sample : P3390-01
Misc : LOD-MDL-SOIL-8ng
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Quant Time: Sep 04 12:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.924	152	52319	20.000	ng		0.00
21) Naphthalene-d8	10.714	136	228957	20.000	ng		0.00
39) Acenaphthene-d10	14.545	164	191684	20.000	ng		0.00
64) Phenanthrene-d10	17.289	188	539536	20.000	ng		0.00
76) Chrysene-d12	21.531	240	593274	20.000	ng		0.00
86) Perylene-d12	24.604	264	665630	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.503	112	393309	129.943	ng		0.00
7) Phenol-d6	7.089	99	555153	126.962	ng		0.00
23) Nitrobenzene-d5	9.075	82	399208	93.903	ng		0.00
42) 2,4,6-Tribromophenol	16.038	330	386456	143.259	ng		0.00
45) 2-Fluorobiphenyl	13.170	172	1065832	90.066	ng		0.00
79) Terphenyl-d14	19.910	244	2335687	78.063	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.411	88	11239	8.913	ng		93
3) Pyridine	3.805	79	29354	8.080	ng		96
4) n-Nitrosodimethylamine	3.717	42	15137	8.570	ng	#	90
6) Aniline	7.248	93	40560	9.928	ng	#	96
8) 2-Chlorophenol	7.489	128	27896	8.585	ng		96
9) Benzaldehyde	7.060	77	28744	11.301	ng		95
10) Phenol	7.113	94	37170	8.397	ng		87
11) bis(2-Chloroethyl)ether	7.342	93	29132	8.596	ng		95
12) 1,3-Dichlorobenzene	7.812	146	31350	8.791	ng		97
13) 1,4-Dichlorobenzene	7.959	146	31407	8.558	ng		96
14) 1,2-Dichlorobenzene	8.276	146	29682	8.228	ng		97
15) Benzyl Alcohol	8.159	79	26124	8.075	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.441	45	52907	8.191	ng		98
17) 2-Methylphenol	8.358	107	23207	7.521	ng		91
18) Hexachloroethane	9.005	117	11705	8.506	ng		90
19) n-Nitroso-di-n-propyla...	8.723	70	25828	7.496	ng	#	97
20) 3+4-Methylphenols	8.687	107	34613	7.604	ng		92
22) Acetophenone	8.740	105	50200	8.127	ng	#	94
24) Nitrobenzene	9.116	77	38751	8.573	ng		97
25) Isophorone	9.639	82	76675	8.216	ng		96
26) 2-Nitrophenol	9.827	139	13597	7.961	ng		99
27) 2,4-Dimethylphenol	9.886	122	15354	6.135	ng		98
28) bis(2-Chloroethoxy)met...	10.121	93	40774	8.162	ng		99
29) 2,4-Dichlorophenol	10.362	162	28728	8.210	ng		97
30) 1,2,4-Trichlorobenzene	10.579	180	35541	8.568	ng		95
31) Naphthalene	10.767	128	96427	8.497	ng		99
32) Benzoic acid	9.957	122	14429m	5.361	ng		
33) 4-Chloroaniline	10.873	127	40201	9.002	ng		95
34) Hexachlorobutadiene	11.055	225	24226	8.362	ng		95
35) Caprolactam	11.613	113	11437	8.479	ng	#	78
36) 4-Chloro-3-methylphenol	11.989	107	32645	7.735	ng		98
37) 2-Methylnaphthalene	12.371	142	74720	8.489	ng		96
38) 1-Methylnaphthalene	12.589	142	69948m	7.914	ng		
40) 1,2,4,5-Tetrachloroben...	12.741	216	50684	8.792	ng		98
41) Hexachlorocyclopentadiene	12.724	237	13207	8.030	ng		99
43) 2,4,6-Trichlorophenol	12.977	196	30152	8.251	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.053	196	32659	7.892	ng		97
46) 1,1'-Biphenyl	13.382	154	109586	8.569	ng		97
47) 2-Chloronaphthalene	13.423	162	87136	8.407	ng		98
48) 2-Nitroaniline	13.623	65	22299	8.180	ng		95
49) Acenaphthylene	14.269	152	139378	9.081	ng		97
50) Dimethylphthalate	13.999	163	120441	8.593	ng		99
51) 2,6-Dinitrotoluene	14.116	165	20033	7.556	ng		89
52) Acenaphthene	14.610	154	80116	8.350	ng		98
53) 3-Nitroaniline	14.445	138	22338	8.708	ng		98
54) 2,4-Dinitrophenol	14.657	184	8351	5.613	ng	#	92
55) Dibenzofuran	14.945	168	144203	8.764	ng		95
56) 4-Nitrophenol	14.751	139	17824	8.199	ng		95
57) 2,4-Dinitrotoluene	14.904	165	29375	8.121	ng	#	99
58) Fluorene	15.591	166	113571	8.795	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.168	232	34513	8.803	ng		95
60) Diethylphthalate	15.362	149	116990	8.421	ng		99
61) 4-Chlorophenyl-phenyle...	15.585	204	63632	8.584	ng		98
62) 4-Nitroaniline	15.603	138	24131	8.531	ng		99
63) Azobenzene	15.879	77	112089	8.593	ng		99
65) 4,6-Dinitro-2-methylph...	15.667	198	16659	6.919	ng		87
66) n-Nitrosodiphenylamine	15.803	169	103295	7.963	ng		99
67) 4-Bromophenyl-phenylether	16.478	248	44374	7.969	ng		96
68) Hexachlorobenzene	16.596	284	54104	8.204	ng		95
69) Atrazine	16.749	200	47091	10.688	ng		96
70) Pentachlorophenol	16.942	266	24941	5.905	ng		92
71) Phenanthrene	17.330	178	220417	8.753	ng		99
72) Anthracene	17.418	178	212362	8.577	ng		99
73) Carbazole	17.689	167	192228	8.445	ng		99
74) Di-n-butylphthalate	18.253	149	213874	8.332	ng		98
75) Fluoranthene	19.340	202	280948	8.821	ng		99
77) Benzidine	19.522	184	97990	9.164	ng		100
78) Pyrene	19.704	202	301507	7.995	ng		99
80) Butylbenzylphthalate	20.597	149	78691	7.104	ng		97
81) Benzo(a)anthracene	21.514	228	317506	8.485	ng		100
82) 3,3'-Dichlorobenzidine	21.437	252	107562	8.824	ng		98
83) Chrysene	21.578	228	309865	8.645	ng		100
84) Bis(2-ethylhexyl)phtha...	21.437	149	126851	7.538	ng		98
85) Di-n-octyl phthalate	22.595	149	213003	7.229	ng		100
87) Indeno(1,2,3-cd)pyrene	28.065	276	357642	8.379	ng	#	89
88) Benzo(b)fluoranthene	23.635	252	297691	8.097	ng		99
89) Benzo(k)fluoranthene	23.693	252	307173	8.541	ng		99
90) Benzo(a)pyrene	24.457	252	274720	8.458	ng		100
91) Dibenzo(a,h)anthracene	28.129	278	296258	8.426	ng		97
92) Benzo(g,h,i)perylene	29.140	276	281965	7.953	ng		99

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

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