Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139056.D
Acq On : 16 Aug 2024 14:24
Operator : RC/JU
Sample : P3390-02
Misc : LOQ-SOIL-10ppm
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Quant Time: Aug 16 16:31:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	48003	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	194786	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	111416	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	198370	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	101028	20.000	ng		0.00
86) Perylene-d12	15.468	264	82547	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	423238	136.102	ng		0.00
7) Phenol-d6	6.487	99	582707	139.567	ng		0.00
23) Nitrobenzene-d5	7.404	82	386371	96.979	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	137552	150.718	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	712833	96.129	ng		-0.01
79) Terphenyl-d14	12.939	244	674634	111.803	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.587	88	14718	10.811	ng	#	93
3) Pyridine	3.416	79	29729m	9.014	ng		
4) n-Nitrosodimethylamine	3.304	42	23367	11.896	ng	#	75
6) Aniline	6.504	93	48750	13.093	ng	#	59
8) 2-Chlorophenol	6.628	128	37766	11.543	ng		96
9) Benzaldehyde	6.398	77	32951	13.166	ng		98
10) Phenol	6.498	94	50739	11.542	ng	#	55
11) bis(2-Chloroethyl)ether	6.575	93	37003	10.939	ng		100
12) 1,3-Dichlorobenzene	6.775	146	39519	10.791	ng		97
13) 1,4-Dichlorobenzene	6.851	146	41989	11.361	ng		99
14) 1,2-Dichlorobenzene	7.004	146	38927	11.270	ng		99
15) Benzyl Alcohol	6.992	79	39217	13.032	ng		89
16) 2,2'-oxybis(1-Chloropr...	7.104	45	66707	11.458	ng		51
17) 2-Methylphenol	7.104	107	30458	11.274	ng	#	83
18) Hexachloroethane	7.339	117	16043	11.531	ng		96
19) n-Nitroso-di-n-propyla...	7.245	70	29897	11.856	ng		93
20) 3+4-Methylphenols	7.263	107	40254	11.613	ng	#	61
22) Acetophenone	7.245	105	58059	12.173	ng		96
24) Nitrobenzene	7.422	77	46952	11.581	ng		98
25) Isophorone	7.657	82	82250	12.090	ng		98
26) 2-Nitrophenol	7.739	139	20481	11.742	ng		90
27) 2,4-Dimethylphenol	7.781	122	21460	10.283	ng		95
28) bis(2-Chloroethoxy)met...	7.863	93	46387	11.197	ng		97
29) 2,4-Dichlorophenol	7.992	162	30945	11.540	ng		98
30) 1,2,4-Trichlorobenzene	8.057	180	34579	11.174	ng		99
31) Naphthalene	8.139	128	114756	11.193	ng		98
32) Benzoic acid	7.916	122	19291	11.760	ng		93
33) 4-Chloroaniline	8.198	127	42929	12.473	ng		99
34) Hexachlorobutadiene	8.245	225	21616	11.532	ng		100
35) Caprolactam	8.551	113	9873	12.339	ng		92
36) 4-Chloro-3-methylphenol	8.681	107	35653	11.634	ng		97
37) 2-Methylnaphthalene	8.828	142	72493	11.195	ng		99
38) 1-Methylnaphthalene	8.928	142	69551	10.961	ng		100
40) 1,2,4,5-Tetrachloroben...	8.992	216	35461	11.457	ng		99
41) Hexachlorocyclopentadiene	8.975	237	1224	8.330	ng		93
43) 2,4,6-Trichlorophenol	9.116	196	20405	10.813	ng		100

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.169	196	21134	10.245	ng		96
46)	1,1'-Biphenyl	9.286	154	99838	11.442	ng		99
47)	2-Chloronaphthalene	9.316	162	73865	11.382	ng		98
48)	2-Nitroaniline	9.422	65	25947	11.794	ng		92
49)	Acenaphthylene	9.728	152	115485	12.547	ng		99
50)	Dimethylphthalate	9.586	163	88514	12.425	ng		100
51)	2,6-Dinitrotoluene	9.657	165	18936	11.778	ng	#	83
52)	Acenaphthene	9.898	154	69785	11.279	ng		98
53)	3-Nitroaniline	9.833	138	18421	11.083	ng		96
54)	2,4-Dinitrophenol	9.963	184	8000	10.809	ng	#	84
55)	Dibenzofuran	10.075	168	106972	12.248	ng		97
56)	4-Nitrophenol	10.028	139	12104	12.110	ng		89
57)	2,4-Dinitrotoluene	10.069	165	24662	12.023	ng	#	73
58)	Fluorene	10.416	166	85067	12.231	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.204	232	18507m	11.734	ng		
60)	Diethylphthalate	10.286	149	87330	12.928	ng		99
61)	4-Chlorophenyl-phenyle...	10.404	204	40761	11.916	ng		93
62)	4-Nitroaniline	10.445	138	16255m	10.291	ng		
63)	Azobenzene	10.569	77	92768	12.383	ng		96
65)	4,6-Dinitro-2-methylph...	10.486	198	10614	8.770	ng		90
66)	n-Nitrosodiphenylamine	10.528	169	71237	11.489	ng		100
67)	4-Bromophenyl-phenylether	10.898	248	23310	10.853	ng		98
68)	Hexachlorobenzene	10.963	284	24393	11.000	ng		95
69)	Atrazine	11.051	200	23685	14.805	ng		99
70)	Pentachlorophenol	11.175	266	11744	11.749	ng		97
71)	Phenanthrene	11.380	178	119860	11.734	ng		100
72)	Anthracene	11.433	178	117795	11.706	ng		100
73)	Carbazole	11.592	167	97105	11.185	ng		97
74)	Di-n-butylphthalate	11.910	149	130748	13.397	ng		99
75)	Fluoranthene	12.569	202	113503	11.903	ng		98
77)	Benzidine	12.698	184	29353	12.147	ng		98
78)	Pyrene	12.804	202	116034	12.199	ng		99
80)	Butylbenzylphthalate	13.410	149	40321	13.237	ng		97
81)	Benzo(a)anthracene	13.992	228	79299	11.398	ng		99
82)	3,3'-Dichlorobenzidine	13.951	252	22700	12.750	ng		98
83)	Chrysene	14.027	228	69123	11.013	ng		99
84)	Bis(2-ethylhexyl)phtha...	13.963	149	45161	10.125	ng		99
85)	Di-n-octyl phthalate	14.574	149	62440	7.566	ng	#	94
87)	Indeno(1,2,3-cd)pyrene	16.945	276	59969	10.137	ng		97
88)	Benzo(b)fluoranthene	15.039	252	65667m	12.833	ng		
89)	Benzo(k)fluoranthene	15.068	252	48151	10.868	ng		99
90)	Benzo(a)pyrene	15.410	252	51609	11.990	ng		96
91)	Dibenzo(a,h)anthracene	16.951	278	48238	9.934	ng		98
92)	Benzo(g,h,i)perylene	17.398	276	48325	9.590	ng		94

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

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