Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
Data File : BF143652.D
Acq On : 05 Sep 2025 10:52
Operator : RC/JU
Sample : Q2893-03
Misc : MDL-SOIL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

Quant Time: Sep 05 12:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 03 18:35:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	79784	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	299297	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	175072	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	295792	20.000	ng		0.00
76) Chrysene-d12	14.045	240	204078	20.000	ng		0.00
86) Perylene-d12	15.515	264	169814	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	536976	119.233	ng		0.00
7) Phenol-d6	6.510	99	675569	120.861	ng		0.00
23) Nitrobenzene-d5	7.451	82	425796	99.989	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	214817	146.733	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	936316	85.445	ng		0.00
79) Terphenyl-d14	12.998	244	1073847	87.676	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	7981	3.756	ng		95
3) Pyridine	3.504	79	18364	3.262	ng		94
4) n-Nitrosodimethylamine	3.381	42	8118	3.472	ng		94
6) Aniline	6.551	93	29994	3.855	ng		99
8) 2-Chlorophenol	6.675	128	18564	3.980	ng		88
9) Benzaldehyde	6.439	77	15795	3.803	ng		98
10) Phenol	6.522	94	23346	3.810	ng	#	51
11) bis(2-Chloroethyl)ether	6.622	93	17997	3.750	ng		99
12) 1,3-Dichlorobenzene	6.828	146	22209	3.858	ng		95
13) 1,4-Dichlorobenzene	6.904	146	23383	4.050	ng		98
14) 1,2-Dichlorobenzene	7.057	146	21962	4.020	ng		98
15) Benzyl Alcohol	7.022	79	15577	3.667	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	25962	3.437	ng		99
17) 2-Methylphenol	7.122	107	14911	3.657	ng		97
18) Hexachloroethane	7.404	117	6866	3.812	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	13918	3.910	ng		98
20) 3+4-Methylphenols	7.281	107	20009	3.898	ng	#	86
22) Acetophenone	7.292	105	27542	4.069	ng	#	96
24) Nitrobenzene	7.469	77	20934	4.598	ng		97
25) Isophorone	7.698	82	36251	3.778	ng		99
26) 2-Nitrophenol	7.781	139	7415	7.408	ng		98
27) 2,4-Dimethylphenol	7.810	122	17617	4.217	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	22962	3.914	ng		97
29) 2,4-Dichlorophenol	8.016	162	16007	3.904	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	19085	4.272	ng		98
31) Naphthalene	8.192	128	58437	3.992	ng		99
32) Benzoic acid	7.845	122	4403	8.985	ng		89
33) 4-Chloroaniline	8.233	127	22284	4.396	ng		98
34) Hexachlorobutadiene	8.310	225	11407	3.925	ng		95
35) Caprolactam	8.557	113	3968	3.612	ng		93
36) 4-Chloro-3-methylphenol	8.698	107	16554	3.856	ng		97
37) 2-Methylnaphthalene	8.881	142	36018	3.637	ng		99
38) 1-Methylnaphthalene	8.981	142	37445	3.955	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	18925	3.911	ng		99
41) Hexachlorocyclopentadiene	9.033	237	10419	4.434	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	11664	3.913	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	11946	3.882	ng		96
46) 1,1'-Biphenyl	9.345	154	50592	4.063	ng		99
47) 2-Chloronaphthalene	9.369	162	38372	3.938	ng		98
48) 2-Nitroaniline	9.457	65	9152	6.409	ng		98
49) Acenaphthylene	9.780	152	60851	4.333	ng		99
50) Dimethylphthalate	9.633	163	45701	4.122	ng		100
51) 2,6-Dinitrotoluene	9.698	165	8503	7.674	ng		96
52) Acenaphthene	9.957	154	38163	4.063	ng		97
53) 3-Nitroaniline	9.863	138	9217	6.885	ng		93
54) 2,4-Dinitrophenol	9.969	184	1823	9.037	ng	#	60
55) Dibenzofuran	10.128	168	54591	4.000	ng		99
56) 4-Nitrophenol	10.004	139	6091	3.706	ng		99
57) 2,4-Dinitrotoluene	10.098	165	9820	7.176	ng		96
58) Fluorene	10.469	166	44306	4.197	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	10976	4.696	ng	#	95
60) Diethylphthalate	10.339	149	43185	4.103	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	23091	4.384	ng		95
62) 4-Nitroaniline	10.469	138	8369	6.427	ng		96
63) Azobenzene	10.622	77	38655	3.897	ng		98
65) 4,6-Dinitro-2-methylph...	10.504	198	3335	10.722	ng		97
66) n-Nitrosodiphenylamine	10.580	169	37143	3.890	ng		96
67) 4-Bromophenyl-phenylether	10.951	248	13227	3.856	ng		96
68) Hexachlorobenzene	11.016	284	14017	3.890	ng		99
69) Atrazine	11.098	200	10917	3.825	ng		97
70) Pentachlorophenol	11.204	266	6413	3.168	ng		95
71) Phenanthrene	11.433	178	66035	4.129	ng		99
72) Anthracene	11.480	178	64969	4.050	ng		99
73) Carbazole	11.633	167	55969	4.139	ng		99
74) Di-n-butylphthalate	11.969	149	63430	4.178	ng		99
75) Fluoranthene	12.616	202	62393	4.247	ng		98
77) Benzidine	12.739	184	22587	4.838	ng		96
78) Pyrene	12.845	202	64249	3.815	ng		99
80) Butylbenzylphthalate	13.468	149	16847	6.223	ng		97
81) Benzo(a)anthracene	14.033	228	50469	3.818	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	12924	3.587	ng		95
83) Chrysene	14.068	228	46536	3.916	ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	22196	5.667	ng		97
85) Di-n-octyl phthalate	14.639	149	30793	2.543	ng		99
87) Indeno(1,2,3-cd)pyrene	16.992	276	42956	3.629	ng		100
88) Benzo(b)fluoranthene	15.080	252	38787	3.791	ng		98
89) Benzo(k)fluoranthene	15.110	252	33555	3.792	ng		98
90) Benzo(a)pyrene	15.451	252	33557	3.816	ng		98
91) Dibenzo(a,h)anthracene	17.015	278	34478	3.541	ng		100
92) Benzo(g,h,i)perylene	17.439	276	33878	3.612	ng		99

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

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