Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
Data File : BF143643.D
Acq On : 04 Sep 2025 14:43
Operator : RC/JU
Sample : Q2893-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 04 15:27:14 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	6.893	152	70621	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	267945	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	152883	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	248070	20.000	ng		0.00
76) Chrysene-d12	14.045	240	175661	20.000	ng		0.00
86) Perylene-d12	15.521	264	158699	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	488593	122.566	ng		0.00
7) Phenol-d6	6.510	99	611068	123.506	ng		0.00
23) Nitrobenzene-d5	7.451	82	380859	99.902	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	185608	145.182	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	828870	86.618	ng		0.00
79) Terphenyl-d14	12.998	244	889592	84.382	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	7252	3.856	ng		96
3) Pyridine	3.481	79	16602	3.332	ng		99
4) n-Nitrosodimethylamine	3.375	42	7361	3.557	ng	#	99
6) Aniline	6.551	93	27008	3.922	ng		97
8) 2-Chlorophenol	6.675	128	17674	4.281	ng		91
9) Benzaldehyde	6.440	77	14656	3.987	ng		96
10) Phenol	6.522	94	20678	3.812	ng	#	65
11) bis(2-Chloroethyl)ether	6.622	93	15977	3.761	ng		96
12) 1,3-Dichlorobenzene	6.834	146	20425	4.009	ng		98
13) 1,4-Dichlorobenzene	6.910	146	21073	4.124	ng		97
14) 1,2-Dichlorobenzene	7.057	146	19219	3.974	ng		97
15) Benzyl Alcohol	7.022	79	13595	3.616	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	24801	3.709	ng		99
17) 2-Methylphenol	7.128	107	13705	3.797	ng		99
18) Hexachloroethane	7.404	117	6158	3.863	ng		94
19) n-Nitroso-di-n-propyla...	7.293	70	12010	3.812	ng		94
20) 3+4-Methylphenols	7.281	107	17949	3.950	ng	#	89
22) Acetophenone	7.293	105	25583	4.222	ng		94
24) Nitrobenzene	7.463	77	18254	4.478	ng		98
25) Isophorone	7.698	82	33014	3.843	ng		99
26) 2-Nitrophenol	7.781	139	6103	7.053	ng		98
27) 2,4-Dimethylphenol	7.810	122	16289	4.355	ng		97
28) bis(2-Chloroethoxy)met...	7.916	93	20171	3.841	ng		98
29) 2,4-Dichlorophenol	8.016	162	14794	4.031	ng		96
30) 1,2,4-Trichlorobenzene	8.110	180	17144	4.286	ng		99
31) Naphthalene	8.192	128	51928	3.962	ng		99
32) Benzoic acid	7.845	122	4062	9.030	ng		95
33) 4-Chloroaniline	8.234	127	20303	4.474	ng		99
34) Hexachlorobutadiene	8.310	225	10081	3.875	ng		97
35) Caprolactam	8.557	113	3636	3.697	ng	#	87
36) 4-Chloro-3-methylphenol	8.704	107	14723	3.831	ng		97
37) 2-Methylnaphthalene	8.881	142	31938	3.603	ng		98
38) 1-Methylnaphthalene	8.981	142	33215	3.919	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	17408	4.120	ng		97
41) Hexachlorocyclopentadiene	9.034	237	9851	4.801	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	10508	4.037	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	11461	4.265	ng		96
46) 1,1'-Biphenyl	9.345	154	44822	4.122	ng		99
47) 2-Chloronaphthalene	9.369	162	33801	3.972	ng		99
48) 2-Nitroaniline	9.457	65	7421	6.178	ng		97
49) Acenaphthylene	9.786	152	54011	4.404	ng		98
50) Dimethylphthalate	9.639	163	38037	3.929	ng	#	99
51) 2,6-Dinitrotoluene	9.698	165	6714	7.302	ng		99
52) Acenaphthene	9.957	154	31773	3.873	ng		98
53) 3-Nitroaniline	9.863	138	7312	6.531	ng		96
54) 2,4-Dinitrophenol	9.969	184	1232	8.371	ng	#	1
55) Dibenzofuran	10.128	168	48459	4.066	ng		99
56) 4-Nitrophenol	10.004	139	4835	3.369	ng		100
57) 2,4-Dinitrotoluene	10.098	165	7361	6.707	ng		92
58) Fluorene	10.469	166	38381	4.164	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	8644	4.235	ng	#	98
60) Diethylphthalate	10.339	149	35760	3.891	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	18816	4.091	ng		99
62) 4-Nitroaniline	10.469	138	6487	6.020	ng		99
63) Azobenzene	10.628	77	33398	3.855	ng		97
65) 4,6-Dinitro-2-methylph...	10.504	198	2376	10.393	ng		94
66) n-Nitrosodiphenylamine	10.581	169	32399	4.046	ng		96
67) 4-Bromophenyl-phenylether	10.957	248	12129	4.216	ng		92
68) Hexachlorobenzene	11.016	284	12194	4.035	ng		98
69) Atrazine	11.098	200	9050	3.781	ng		98
70) Pentachlorophenol	11.210	266	5070	2.986	ng		95
71) Phenanthrene	11.433	178	54980	4.099	ng		99
72) Anthracene	11.486	178	55229	4.105	ng		100
73) Carbazole	11.633	167	46412	4.093	ng		98
74) Di-n-butylphthalate	11.975	149	48362	3.798	ng		98
75) Fluoranthene	12.622	202	50966	4.137	ng		99
77) Benzidine	12.739	184	19897	4.951	ng		97
78) Pyrene	12.851	202	52617	3.630	ng		99
80) Butylbenzylphthalate	13.469	149	12411	5.802	ng		96
81) Benzo(a)anthracene	14.033	228	42019	3.693	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	11049	3.562	ng		99
83) Chrysene	14.069	228	40343	3.945	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	17783	5.475	ng		98
85) Di-n-octyl phthalate	14.645	149	26589	2.551	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	38310	3.463	ng		97
88) Benzo(b)fluoranthene	15.086	252	32035	3.350	ng		99
89) Benzo(k)fluoranthene	15.116	252	35072	4.241	ng		99
90) Benzo(a)pyrene	15.457	252	30076	3.659	ng		98
91) Dibenzo(a,h)anthracene	17.027	278	31803	3.495	ng		98
92) Benzo(g,h,i)perylene	17.451	276	31528	3.597	ng		98

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

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