Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143111.D
Acq On : 16 Jul 2025 13:35
Operator : RC/JU
Sample : Q2126-01
Misc : LOD-MDL-SOIL-8 PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 16 13:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	139129	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	534026	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	270953	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	452654	20.000	ng		0.00
76) Chrysene-d12	14.127	240	249777	20.000	ng		0.00
86) Perylene-d12	15.633	264	225940	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	1006341	114.279	ng		0.00
7) Phenol-d6	6.587	99	1299183	117.370	ng		0.00
23) Nitrobenzene-d5	7.522	82	809786	85.066	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	326460	135.127	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1476712	72.447	ng		0.00
79) Terphenyl-d14	13.074	244	1348703	78.932	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	32909	7.507	ng		99
3) Pyridine	3.616	79	83091	7.486	ng		99
4) n-Nitrosodimethylamine	3.510	42	42193	7.337	ng	#	99
6) Aniline	6.628	93	123147	7.900	ng		99
8) 2-Chlorophenol	6.751	128	72470	8.191	ng		87
9) Benzaldehyde	6.516	77	66400	7.873	ng		99
10) Phenol	6.598	94	101623	8.481	ng		79
11) bis(2-Chloroethyl)ether	6.698	93	74941	8.078	ng		99
12) 1,3-Dichlorobenzene	6.910	146	80999	8.104	ng		100
13) 1,4-Dichlorobenzene	6.987	146	81742	8.129	ng		98
14) 1,2-Dichlorobenzene	7.140	146	79287	8.268	ng		99
15) Benzyl Alcohol	7.092	79	63720	7.769	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	135885	7.946	ng		99
17) 2-Methylphenol	7.198	107	60362	7.906	ng		98
18) Hexachloroethane	7.487	117	26018	7.948	ng		100
19) n-Nitroso-di-n-propyla...	7.363	70	54872	8.091	ng		96
20) 3+4-Methylphenols	7.351	107	78077	8.339	ng	#	84
22) Acetophenone	7.363	105	107304	8.335	ng		95
24) Nitrobenzene	7.540	77	80944	8.808	ng		99
25) Isophorone	7.775	82	143102	7.777	ng		99
26) 2-Nitrophenol	7.857	139	23426	9.787	ng		96
27) 2,4-Dimethylphenol	7.887	122	66917	7.836	ng		100
28) bis(2-Chloroethoxy)met...	7.987	93	90165	8.081	ng		99
29) 2,4-Dichlorophenol	8.092	162	56922	8.147	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	63215	7.973	ng		97
31) Naphthalene	8.269	128	220671	8.321	ng		98
32) Benzoic acid	7.934	122	20270	10.637	ng		96
33) 4-Chloroaniline	8.304	127	84898	7.961	ng		99
34) Hexachlorobutadiene	8.392	225	38172	8.050	ng		99
35) Caprolactam	8.634	113	16059	7.361	ng		91
36) 4-Chloro-3-methylphenol	8.775	107	60711	7.801	ng		99
37) 2-Methylnaphthalene	8.957	142	130261	8.234	ng		100
38) 1-Methylnaphthalene	9.057	142	136436	8.315	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	64480	8.166	ng		99
41) Hexachlorocyclopentadiene	9.116	237	27799	6.350	ng		98
43) 2,4,6-Trichlorophenol	9.228	196	37789	7.702	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	41302	8.028	ng		98
46) 1,1'-Biphenyl	9.422	154	176410	8.164	ng		99
47) 2-Chloronaphthalene	9.445	162	129212	8.140	ng		99
48) 2-Nitroaniline	9.528	65	31180	9.319	ng		97
49) Acenaphthylene	9.863	152	215809	8.159	ng		99
50) Dimethylphthalate	9.710	163	139258	8.169	ng		100
51) 2,6-Dinitrotoluene	9.769	165	22909	9.201	ng		99
52) Acenaphthene	10.033	154	128097	8.207	ng		100
53) 3-Nitroaniline	9.933	138	29835	8.100	ng		99
54) 2,4-Dinitrophenol	10.039	184	5626	10.705	ng	#	1
55) Dibenzofuran	10.204	168	190120	8.172	ng		98
56) 4-Nitrophenol	10.081	139	21024	7.182	ng		97
57) 2,4-Dinitrotoluene	10.169	165	26137	9.173	ng		92
58) Fluorene	10.551	166	145725	8.354	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33403	8.170	ng		97
60) Diethylphthalate	10.416	149	132884	8.080	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	69420	8.304	ng		97
62) 4-Nitroaniline	10.545	138	26071	8.139	ng		98
63) Azobenzene	10.698	77	142444	7.832	ng		99
65) 4,6-Dinitro-2-methylph...	10.581	198	8489	10.677	ng		98
66) n-Nitrosodiphenylamine	10.657	169	123068	7.740	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	39418	7.657	ng		96
68) Hexachlorobenzene	11.098	284	42300	7.745	ng		99
69) Atrazine	11.175	200	31641	7.778	ng		99
70) Pentachlorophenol	11.286	266	19839	6.621	ng		98
71) Phenanthrene	11.510	178	197118	8.069	ng		99
72) Anthracene	11.563	178	190938	7.772	ng		100
73) Carbazole	11.710	167	176999	8.042	ng		98
74) Di-n-butylphthalate	12.045	149	154165	7.631	ng		100
75) Fluoranthene	12.698	202	177703	8.000	ng		99
77) Benzidine	12.816	184	62853	7.386	ng		96
78) Pyrene	12.927	202	182569	7.878	ng		99
80) Butylbenzylphthalate	13.545	149	25699	8.538	ng		98
81) Benzo(a)anthracene	14.116	228	123305	7.408	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	30140	6.236	ng		98
83) Chrysene	14.151	228	116433	7.595	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	35549	8.114	ng		98
85) Di-n-octyl phthalate	14.721	149	57609	10.423	ng		97
87) Indeno(1,2,3-cd)pyrene	17.162	276	130555	7.769	ng		99
88) Benzo(b)fluoranthene	15.186	252	95092	7.296	ng		99
89) Benzo(k)fluoranthene	15.216	252	97521	7.844	ng		99
90) Benzo(a)pyrene	15.563	252	92702	7.521	ng		99
91) Dibenzo(a,h)anthracene	17.180	278	109816	7.994	ng		99
92) Benzo(g,h,i)perylene	17.627	276	108116	7.720	ng		98

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

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