Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143331.D
Acq On : 06 Aug 2025 15:45
Operator : RC/JU
Sample : Q2772-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

Quant Time: Aug 06 16:05:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	83548	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	318273	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	135522	20.000	ng		0.00
64) Phenanthrene-d10	11.498	188	189220	20.000	ng	#	0.01
76) Chrysene-d12	14.139	240	180908	20.000	ng		0.02
86) Perylene-d12	15.639	264	173032	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	441754	83.672	ng		0.02
7) Phenol-d6	6.593	99	550607	82.856	ng		0.00
23) Nitrobenzene-d5	7.522	82	372715	58.374	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	121318	86.655	ng		0.01
45) 2-Fluorobiphenyl	9.316	172	649477	65.542	ng		0.00
79) Terphenyl-d14	13.080	244	533426	43.878	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.875	88	123618	49.483	ng		99
3) Pyridine	3.640	79	305588	47.128	ng		98
4) n-Nitrosodimethylamine	3.581	42	170210	50.843	ng		98
6) Aniline	6.622	93	198346	21.416	ng	#	78
8) 2-Chlorophenol	6.751	128	267648	48.363	ng		98
9) Benzaldehyde	6.510	77	169731	34.062	ng		97
10) Phenol	6.610	94	328130	45.325	ng		92
11) bis(2-Chloroethyl)ether	6.693	93	249024	44.926	ng		99
12) 1,3-Dichlorobenzene	6.904	146	274048	45.585	ng		99
13) 1,4-Dichlorobenzene	6.981	146	273114	45.111	ng		99
14) 1,2-Dichlorobenzene	7.134	146	268736	46.669	ng		99
15) Benzyl Alcohol	7.098	79	250709	49.410	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	520173	50.588	ng		96
17) 2-Methylphenol	7.216	107	214109	46.013	ng		97
18) Hexachloroethane	7.475	117	94758	45.211	ng		99
19) n-Nitroso-di-n-propyla...	7.369	70	198798	46.628	ng		99
20) 3+4-Methylphenols	7.363	107	268647	47.585	ng	#	71
22) Acetophenone	7.363	105	367312	48.746	ng		96
24) Nitrobenzene	7.540	77	287082	48.226	ng		100
25) Isophorone	7.781	82	541107	48.006	ng		99
26) 2-Nitrophenol	7.857	139	133807	51.793	ng		99
27) 2,4-Dimethylphenol	7.892	122	232975	44.240	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	305483	45.203	ng		99
29) 2,4-Dichlorophenol	8.104	162	195361	43.989	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	212402	44.269	ng		100
31) Naphthalene	8.269	128	718797	45.858	ng		100
32) Benzoic acid	7.998	122	115098	39.792	ng		98
33) 4-Chloroaniline	8.310	127	83302	13.015	ng		99
34) Hexachlorobutadiene	8.387	225	135802	46.334	ng		98
35) Caprolactam	8.675	113	67103	50.001	ng		98
36) 4-Chloro-3-methylphenol	8.792	107	207991	43.088	ng		99
37) 2-Methylnaphthalene	8.957	142	442821	46.426	ng		100
38) 1-Methylnaphthalene	9.057	142	416580	42.413	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	201408	51.476	ng		99
41) Hexachlorocyclopentadiene	9.116	237	137601	54.049	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	144499	53.362	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	151492	55.928	ng		99
46) 1,1'-Biphenyl	9.422	154	587002	55.517	ng		99
47) 2-Chloronaphthalene	9.445	162	404982	51.765	ng		100
48) 2-Nitroaniline	9.534	65	148786	60.644	ng		98
49) Acenaphthylene	9.863	152	656717	50.089	ng		100
50) Dimethylphthalate	9.716	163	456986	51.732	ng		99
51) 2,6-Dinitrotoluene	9.775	165	106642	59.343	ng		97
52) Acenaphthene	10.039	154	415166	53.575	ng		98
53) 3-Nitroaniline	9.945	138	74337	35.366	ng	#	99
54) 2,4-Dinitrophenol	10.051	184	40659	52.427	ng	#	20
55) Dibenzofuran	10.210	168	527747	45.870	ng		99
56) 4-Nitrophenol	10.110	139	152065	96.881	ng		93
57) 2,4-Dinitrotoluene	10.181	165	125866	55.827	ng		93
58) Fluorene	10.557	166	407663	47.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	96448	42.984	ng	#	97
60) Diethylphthalate	10.422	149	451604	51.723	ng		98
61) 4-Chlorophenyl-phenyle...	10.539	204	201125	46.777	ng		95
62) 4-Nitroaniline	10.557	138	82536	45.816	ng		96
63) Azobenzene	10.704	77	420219	46.178	ng		96
65) 4,6-Dinitro-2-methylph...	10.592	198	30793	32.955	ng	#	63
66) n-Nitrosodiphenylamine	10.657	169	353933	53.119	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	129004	57.208	ng		95
68) Hexachlorobenzene	11.110	284	125882	53.409	ng		97
69) Atrazine	11.186	200	116730	63.546	ng		95
70) Pentachlorophenol	11.304	266	135615	97.841	ng		97
71) Phenanthrene	11.522	178	481334	47.908	ng		97
72) Anthracene	11.575	178	506960	49.475	ng		98
73) Carbazole	11.722	167	467444	52.243	ng	#	96
74) Di-n-butylphthalate	12.051	149	564030	55.712	ng		97
75) Fluoranthene	12.716	202	563609	61.117	ng		97
77) Benzidine	12.827	184	190472	27.328	ng	#	96
78) Pyrene	12.945	202	622342	40.308	ng		99
80) Butylbenzylphthalate	13.545	149	264530	55.952	ng		100
81) Benzo(a)anthracene	14.127	228	599989	49.537	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	102359	25.357	ng		99
83) Chrysene	14.163	228	519816	47.735	ng		99
84) Bis(2-ethylhexyl)phtha...	14.104	149	389576	54.441	ng		99
85) Di-n-octyl phthalate	14.716	149	629648	48.542	ng		99
87) Indeno(1,2,3-cd)pyrene	17.186	276	448933	36.795	ng		100
88) Benzo(b)fluoranthene	15.198	252	560934	53.065	ng		99
89) Benzo(k)fluoranthene	15.227	252	513796	54.469	ng		99
90) Benzo(a)pyrene	15.580	252	469856	48.243	ng		100
91) Dibenzo(a,h)anthracene	17.204	278	357630	36.012	ng		99
92) Benzo(g,h,i)perylene	17.657	276	358791	37.349	ng		99

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

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