Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143332.D
Acq On : 06 Aug 2025 16:14
Operator : RC/JU
Sample : Q2772-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMSD

Quant Time: Aug 06 16:34:10 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	84813	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	321139	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	122845	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	163350	20.000	ng	#	0.00
76) Chrysene-d12	14.133	240	170194	20.000	ng		0.01
86) Perylene-d12	15.639	264	175230	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	350111	65.325	ng		0.02
7) Phenol-d6	6.592	99	476535	70.640	ng		0.00
23) Nitrobenzene-d5	7.516	82	318737	49.474	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	91761	72.306	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	541018	60.231	ng		0.00
79) Terphenyl-d14	13.074	244	413549	36.159	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.869	88	96140	37.910	ng		98
3) Pyridine	3.634	79	254976	38.736	ng		98
4) n-Nitrosodimethylamine	3.569	42	130307	38.343	ng		100
6) Aniline	6.622	93	168218	17.892	ng	#	89
8) 2-Chlorophenol	6.751	128	208642	37.139	ng		97
9) Benzaldehyde	6.510	77	124139	24.541	ng		98
10) Phenol	6.604	94	283482	38.574	ng		97
11) bis(2-Chloroethyl)ether	6.692	93	207468	36.870	ng		99
12) 1,3-Dichlorobenzene	6.904	146	237004	38.835	ng		99
13) 1,4-Dichlorobenzene	6.981	146	229876	37.403	ng		100
14) 1,2-Dichlorobenzene	7.134	146	214419	36.681	ng		99
15) Benzyl Alcohol	7.098	79	183071	35.542	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	372502	35.687	ng		97
17) 2-Methylphenol	7.210	107	166382	35.223	ng		100
18) Hexachloroethane	7.475	117	87682	41.211	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	149699	34.588	ng		98
20) 3+4-Methylphenols	7.363	107	204423	35.669	ng	#	68
22) Acetophenone	7.363	105	276287	36.339	ng		95
24) Nitrobenzene	7.539	77	252491	42.037	ng		99
25) Isophorone	7.781	82	429653	37.778	ng		99
26) 2-Nitrophenol	7.857	139	104886	40.236	ng		98
27) 2,4-Dimethylphenol	7.892	122	192360	36.201	ng		100
28) bis(2-Chloroethoxy)met...	7.981	93	239637	35.143	ng		100
29) 2,4-Dichlorophenol	8.098	162	154722	34.528	ng		98
30) 1,2,4-Trichlorobenzene	8.186	180	168709	34.849	ng		100
31) Naphthalene	8.263	128	634098	40.093	ng		100
32) Benzoic acid	7.987	122	84201	30.274	ng		99
33) 4-Chloroaniline	8.304	127	75140	11.635	ng		99
34) Hexachlorobutadiene	8.386	225	112705	38.110	ng		100
35) Caprolactam	8.669	113	51951	38.365	ng		98
36) 4-Chloro-3-methylphenol	8.792	107	165956	34.073	ng		98
37) 2-Methylnaphthalene	8.957	142	347915	36.150	ng		99
38) 1-Methylnaphthalene	9.057	142	339988	34.306	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	162244	45.745	ng		99
41) Hexachlorocyclopentadiene	9.116	237	103142	44.694	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	113318	46.166	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	118341	48.197	ng		97
46) 1,1'-Biphenyl	9.416	154	484349	50.535	ng		100
47) 2-Chloronaphthalene	9.445	162	342648	48.317	ng		99
48) 2-Nitroaniline	9.533	65	117740	52.942	ng		99
49) Acenaphthylene	9.863	152	494133	41.578	ng		100
50) Dimethylphthalate	9.716	163	387955	48.450	ng		99
51) 2,6-Dinitrotoluene	9.775	165	73603	45.185	ng		98
52) Acenaphthene	10.033	154	284901	40.559	ng		97
53) 3-Nitroaniline	9.945	138	57621	30.242	ng		95
54) 2,4-Dinitrophenol	10.051	184	25735	38.619	ng	#	2
55) Dibenzofuran	10.204	168	425493	40.799	ng		99
56) 4-Nitrophenol	10.104	139	107357	75.456	ng		94
57) 2,4-Dinitrotoluene	10.180	165	96458	47.198	ng		90
58) Fluorene	10.551	166	301998	38.583	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.328	232	74069	36.417	ng	#	98
60) Diethylphthalate	10.416	149	323894	40.924	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	156058	40.041	ng		97
62) 4-Nitroaniline	10.557	138	63001	38.581	ng		96
63) Azobenzene	10.698	77	345407	41.874	ng		97
65) 4,6-Dinitro-2-methylph...	10.592	198	21264	27.444	ng	#	64
66) n-Nitrosodiphenylamine	10.657	169	281057	48.862	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	88887	45.661	ng		96
68) Hexachlorobenzene	11.110	284	82558	40.575	ng		96
69) Atrazine	11.180	200	78344	49.404	ng		94
70) Pentachlorophenol	11.298	266	95105	79.481	ng		99
71) Phenanthrene	11.516	178	363338	41.891	ng		97
72) Anthracene	11.569	178	369600	41.782	ng		98
73) Carbazole	11.722	167	397589	51.473	ng	#	96
74) Di-n-butylphthalate	12.045	149	424129	48.528	ng		97
75) Fluoranthene	12.710	202	450980	56.649	ng		98
77) Benzidine	12.821	184	170064	25.936	ng		97
78) Pyrene	12.939	202	465182	32.026	ng		99
80) Butylbenzylphthalate	13.545	149	203847	45.831	ng		98
81) Benzo(a)anthracene	14.127	228	472812	41.495	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	81094	21.354	ng		100
83) Chrysene	14.163	228	479812	46.835	ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	286576	42.568	ng		99
85) Di-n-octyl phthalate	14.715	149	534925	43.836	ng		100
87) Indeno(1,2,3-cd)pyrene	17.186	276	332659	26.923	ng		99
88) Benzo(b)fluoranthene	15.192	252	464406	43.382	ng		99
89) Benzo(k)fluoranthene	15.221	252	407456	42.654	ng		99
90) Benzo(a)pyrene	15.574	252	396424	40.193	ng		100
91) Dibenzo(a,h)anthracene	17.198	278	274095	27.254	ng		99
92) Benzo(g,h,i)perylene	17.651	276	253504	26.058	ng		98

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

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