Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
Data File : BF141138.D
Acq On : 14 Jan 2025 11:53
Operator : RC/JU
Sample : P1187-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Quant Time: Jan 14 12:17:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	142836	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	550517	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	295918	20.000	ng		0.00
64) Phenanthrene-d10	11.339	188	522828	20.000	ng		0.00
76) Chrysene-d12	13.980	240	333266	20.000	ng		0.00
86) Perylene-d12	15.439	264	297044	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	998353	107.974	ng		0.00
7) Phenol-d6	6.440	99	1254028	107.069	ng		0.00
23) Nitrobenzene-d5	7.381	82	844439	81.310	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	397867	117.999	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1552981	80.139	ng		0.00
79) Terphenyl-d14	12.933	244	1719156	76.671	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.528	88	16160	3.925	ng		98
3) Pyridine	3.316	79	35829	3.548	ng		95
4) n-Nitrosodimethylamine	3.199	42	17563	3.557	ng	#	99
6) Aniline	6.481	93	51343	4.937	ng		98
8) 2-Chlorophenol	6.604	128	40188	4.051	ng		96
9) Benzaldehyde	6.369	77	32772	4.751	ng		96
10) Phenol	6.451	94	50367	4.017	ng	#	31
11) bis(2-Chloroethyl)ether	6.551	93	37788	4.044	ng		98
12) 1,3-Dichlorobenzene	6.757	146	43693	3.949	ng		100
13) 1,4-Dichlorobenzene	6.840	146	46550	4.175	ng		97
14) 1,2-Dichlorobenzene	6.992	146	42944	4.129	ng		98
15) Benzyl Alcohol	6.957	79	42483	5.023	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.092	45	52562	4.031	ng		95
17) 2-Methylphenol	7.063	107	31472	3.930	ng		97
18) Hexachloroethane	7.334	117	15405	3.821	ng		92
19) n-Nitroso-di-n-propyla...	7.222	70	27814	4.031	ng		99
20) 3+4-Methylphenols	7.216	107	39170	3.877	ng	#	78
22) Acetophenone	7.222	105	58638	4.481	ng		98
24) Nitrobenzene	7.398	77	44642	4.124	ng		99
25) Isophorone	7.634	82	75207	4.237	ng		100
26) 2-Nitrophenol	7.716	139	18022	3.660	ng		99
27) 2,4-Dimethylphenol	7.745	122	16764	2.524	ng		91
28) bis(2-Chloroethoxy)met...	7.845	93	45577	4.092	ng		97
29) 2,4-Dichlorophenol	7.951	162	32651	4.140	ng		94
30) 1,2,4-Trichlorobenzene	8.039	180	37153	4.121	ng		100
31) Naphthalene	8.122	128	122369	4.215	ng		99
32) Benzoic acid	7.792	122	16727	2.626	ng		97
33) 4-Chloroaniline	8.169	127	45686	4.550	ng		99
34) Hexachlorobutadiene	8.239	225	20788	3.827	ng		98
35) Caprolactam	8.492	113	9795	3.793	ng		98
36) 4-Chloro-3-methylphenol	8.639	107	42082	4.878	ng		98
37) 2-Methylnaphthalene	8.810	142	78190	4.226	ng		98
38) 1-Methylnaphthalene	8.910	142	73527	4.033	ng		99
40) 1,2,4,5-Tetrachloroben...	8.975	216	37316	4.394	ng		99
41) Hexachlorocyclopentadiene	8.969	237	8716	3.137	ng		99
43) 2,4,6-Trichlorophenol	9.086	196	21304	3.719	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	24555	4.059	ng		97
46) 1,1'-Biphenyl	9.275	154	105325	4.583	ng		99
47) 2-Chloronaphthalene	9.298	162	73693	4.117	ng		99
48) 2-Nitroaniline	9.392	65	20125	3.793	ng		96
49) Acenaphthylene	9.716	152	115771	4.527	ng		99
50) Dimethylphthalate	9.569	163	86205	4.339	ng		99
51) 2,6-Dinitrotoluene	9.633	165	17851	3.864	ng		99
52) Acenaphthene	9.886	154	78371	4.386	ng		99
53) 3-Nitroaniline	9.798	138	18395	3.918	ng		99
54) 2,4-Dinitrophenol	9.904	184	3959	1.803	ng	#	1
55) Dibenzofuran	10.057	168	104871	4.315	ng		100
56) 4-Nitrophenol	9.951	139	18833	5.122	ng		98
57) 2,4-Dinitrotoluene	10.033	165	25796	4.333	ng		99
58) Fluorene	10.404	166	83071	4.400	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.175	232	21458	4.267	ng		99
60) Diethylphthalate	10.275	149	85456	4.406	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	40303	4.380	ng		98
62) 4-Nitroaniline	10.404	138	16747	3.645	ng		96
63) Azobenzene	10.557	77	80400	4.201	ng		99
65) 4,6-Dinitro-2-methylph...	10.439	198	8023	2.648	ng		97
66) n-Nitrosodiphenylamine	10.510	169	71161	4.220	ng		99
67) 4-Bromophenyl-phenylether	10.886	248	25102	4.170	ng		99
68) Hexachlorobenzene	10.951	284	27965	4.173	ng		97
69) Atrazine	11.033	200	22308	4.913	ng		99
70) Pentachlorophenol	11.139	266	19931	4.645	ng		95
71) Phenanthrene	11.363	178	128962	4.594	ng		99
72) Anthracene	11.416	178	122854	4.501	ng		98
73) Carbazole	11.569	167	108862	4.350	ng		99
74) Di-n-butylphthalate	11.904	149	128595	4.490	ng		99
75) Fluoranthene	12.551	202	128431	4.585	ng		97
77) Benzidine	12.680	184	20524	3.321	ng		96
78) Pyrene	12.780	202	159198	5.001	ng		99
80) Butylbenzylphthalate	13.404	149	41066	3.870	ng		100
81) Benzo(a)anthracene	13.969	228	93796	4.136	ng		99
82) 3,3'-Dichlorobenzidine	13.933	252	24518	3.395	ng		99
83) Chrysene	14.004	228	89845	4.234	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	52872	4.152	ng		99
85) Di-n-octyl phthalate	14.586	149	65178	3.390	ng		99
87) Indeno(1,2,3-cd)pyrene	16.886	276	85853	3.945	ng		98
88) Benzo(b)fluoranthene	15.015	252	70956	3.704	ng		99
89) Benzo(k)fluoranthene	15.045	252	75945	4.692	ng		98
90) Benzo(a)pyrene	15.374	252	65416	4.139	ng		99
91) Dibenzo(a,h)anthracene	16.904	278	66385	3.772	ng		99
92) Benzo(g,h,i)perylene	17.321	276	67562	3.690	ng		98

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

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