Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141720.D
Acq On : 21 Feb 2025 15:17
Operator : RC/JU
Sample : Q1393-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Quant Time: Feb 21 15:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	89552	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	357328	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	192611	20.000	ng		-0.02
64) Phenanthrene-d10	11.298	188	312084	20.000	ng		-0.02
76) Chrysene-d12	13.939	240	177670	20.000	ng		-0.02
86) Perylene-d12	15.374	264	192345	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	728188	127.480	ng		0.00
7) Phenol-d6	6.428	99	846955	117.312	ng		-0.01
23) Nitrobenzene-d5	7.345	82	630904	92.091	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	266884	137.934	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	1187232	94.963	ng		-0.01
79) Terphenyl-d14	12.880	244	1107917	105.271	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	88029	38.290	ng	#	78
3) Pyridine	3.375	79	144509	26.415	ng		93
4) n-Nitrosodimethylamine	3.287	42	128281	35.413	ng		87
6) Aniline	6.451	93	68149	10.063	ng	#	14
8) 2-Chlorophenol	6.575	128	260052	42.133	ng		98
9) Benzaldehyde	6.334	77	53229	13.874	ng		95
10) Phenol	6.440	94	269938	35.923	ng		82
11) bis(2-Chloroethyl)ether	6.522	93	237992	42.167	ng		99
12) 1,3-Dichlorobenzene	6.722	146	251386	38.579	ng		97
13) 1,4-Dichlorobenzene	6.798	146	257889	38.736	ng		98
14) 1,2-Dichlorobenzene	6.951	146	247399	40.038	ng		99
15) Benzyl Alcohol	6.934	79	217009	39.197	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	370168	38.313	ng		65
17) 2-Methylphenol	7.051	107	206712	42.796	ng	#	92
18) Hexachloroethane	7.287	117	94615	38.400	ng		99
19) n-Nitroso-di-n-propyla...	7.198	70	185620	42.982	ng		93
20) 3+4-Methylphenols	7.204	107	269943	43.976	ng	#	79
22) Acetophenone	7.193	105	411294	46.271	ng	#	91
24) Nitrobenzene	7.369	77	273419	40.928	ng		97
25) Isophorone	7.604	82	504533	46.188	ng		98
26) 2-Nitrophenol	7.681	139	143168	43.076	ng		94
27) 2,4-Dimethylphenol	7.722	122	216927	55.870	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	305703	43.675	ng		99
29) 2,4-Dichlorophenol	7.934	162	228890	43.630	ng		99
30) 1,2,4-Trichlorobenzene	8.004	180	234284	41.010	ng		99
31) Naphthalene	8.081	128	766508	41.210	ng		100
32) Benzoic acid	7.869	122	183343m	45.460	ng		
33) 4-Chloroaniline	8.151	127	31505	4.851	ng		98
34) Hexachlorobutadiene	8.198	225	140565	40.985	ng		99
35) Caprolactam	8.510	113	65275m	40.866	ng		
36) 4-Chloro-3-methylphenol	8.634	107	246080	42.346	ng		100
37) 2-Methylnaphthalene	8.775	142	495683	40.953	ng		99
38) 1-Methylnaphthalene	8.875	142	483402	41.236	ng		97
40) 1,2,4,5-Tetrachloroben...	8.940	216	272851	48.964	ng		99
41) Hexachlorocyclopentadiene	8.922	237	257994	139.197	ng		99
43) 2,4,6-Trichlorophenol	9.057	196	161444	44.826	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	173801	44.527	ng		97
46) 1,1'-Biphenyl	9.239	154	729987	48.885	ng		100
47) 2-Chloronaphthalene	9.263	162	495944	44.913	ng		99
48) 2-Nitroaniline	9.363	65	157838	42.592	ng		97
49) Acenaphthylene	9.675	152	761017	46.335	ng		99
50) Dimethylphthalate	9.539	163	610073	46.656	ng		99
51) 2,6-Dinitrotoluene	9.604	165	130096	45.512	ng		99
52) Acenaphthene	9.845	154	476898	43.190	ng		100
53) 3-Nitroaniline	9.775	138	31289	10.170	ng		100
54) 2,4-Dinitrophenol	9.892	184	160686	94.584	ng		92
55) Dibenzofuran	10.022	168	689771	42.559	ng		98
56) 4-Nitrophenol	9.957	139	161840	70.863	ng		96
57) 2,4-Dinitrotoluene	10.010	165	171140	44.974	ng		100
58) Fluorene	10.363	166	550395	43.921	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	152625	45.418	ng		95
60) Diethylphthalate	10.239	149	568369	44.179	ng		100
61) 4-Chlorophenyl-phenyle...	10.357	204	274752	45.574	ng		96
62) 4-Nitroaniline	10.392	138	108493	34.729	ng		97
63) Azobenzene	10.516	77	530163	41.453	ng		95
65) 4,6-Dinitro-2-methylph...	10.422	198	99342	45.824	ng		94
66) n-Nitrosodiphenylamine	10.475	169	473248	47.372	ng		99
67) 4-Bromophenyl-phenylether	10.845	248	166687	47.789	ng		99
68) Hexachlorobenzene	10.910	284	175574	48.884	ng		99
69) Atrazine	11.004	200	158231	52.796	ng		98
70) Pentachlorophenol	11.110	266	194872	84.854	ng		98
71) Phenanthrene	11.322	178	783275	45.595	ng		100
72) Anthracene	11.375	178	804126	46.565	ng		100
73) Carbazole	11.533	167	655362	42.177	ng		100
74) Di-n-butylphthalate	11.857	149	807947	45.032	ng		100
75) Fluoranthene	12.510	202	716338	39.331	ng		100
77) Benzidine	12.651	184	24298	6.201	ng	#	93
78) Pyrene	12.739	202	699017	46.217	ng		100
80) Butylbenzylphthalate	13.357	149	255036	48.683	ng		97
81) Benzo(a)anthracene	13.927	228	554695	46.967	ng		99
82) 3,3'-Dichlorobenzidine	13.892	252	74752	22.096	ng		97
83) Chrysene	13.963	228	496095	45.492	ng		99
84) Bis(2-ethylhexyl)phtha...	13.910	149	331380	56.086	ng		99
85) Di-n-octyl phthalate	14.522	149	552534	65.553	ng		98
87) Indeno(1,2,3-cd)pyrene	16.810	276	553527	46.574	ng		99
88) Benzo(b)fluoranthene	14.963	252	550577	42.631	ng		100
89) Benzo(k)fluoranthene	14.986	252	502171	45.535	ng		99
90) Benzo(a)pyrene	15.316	252	509369	48.741	ng		99
91) Dibenzo(a,h)anthracene	16.821	278	456540	47.408	ng		99
92) Benzo(g,h,i)perylene	17.239	276	405204	40.209	ng		99

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

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