Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141725.D
Acq On : 21 Feb 2025 17:45
Operator : RC/JU
Sample : Q1393-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Quant Time: Feb 21 21:48:34 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	90445	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	356935	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	179460	20.000	ng		-0.02
64) Phenanthrene-d10	11.298	188	253875	20.000	ng		-0.02
76) Chrysene-d12	13.939	240	176254	20.000	ng		-0.02
86) Perylene-d12	15.374	264	152054	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	621382	107.708	ng		0.00
7) Phenol-d6	6.428	99	774912	106.273	ng		-0.01
23) Nitrobenzene-d5	7.345	82	497495	72.698	ng		-0.02
42) 2,4,6-Tribromophenol	10.604	330	174452	96.770	ng		-0.02
45) 2-Fluorobiphenyl	9.133	172	906784	77.846	ng		-0.02
79) Terphenyl-d14	12.880	244	732810	70.189	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.557	88	102282	44.050	ng		96
3) Pyridine	3.287	79	225430	40.799	ng		94
4) n-Nitrosodimethylamine	3.240	42	144797	39.577	ng		92
6) Aniline	6.445	93	143417	20.968	ng	#	49
8) 2-Chlorophenol	6.569	128	278246	44.635	ng		99
9) Benzaldehyde	6.328	77	120463	31.089	ng		99
10) Phenol	6.439	94	330679	43.572	ng		86
11) bis(2-Chloroethyl)ether	6.516	93	253607	44.490	ng		99
12) 1,3-Dichlorobenzene	6.722	146	290080	44.078	ng		97
13) 1,4-Dichlorobenzene	6.798	146	298166	44.344	ng		99
14) 1,2-Dichlorobenzene	6.945	146	280606	44.964	ng		99
15) Benzyl Alcohol	6.928	79	231378	41.379	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	394928	40.473	ng		74
17) 2-Methylphenol	7.045	107	217862	44.659	ng		96
18) Hexachloroethane	7.286	117	110084	44.238	ng		98
19) n-Nitroso-di-n-propyla...	7.198	70	188269	43.165	ng		93
20) 3+4-Methylphenols	7.204	107	278010	44.843	ng	#	73
22) Acetophenone	7.192	105	424300	47.787	ng		93
24) Nitrobenzene	7.363	77	285438	42.775	ng		99
25) Isophorone	7.604	82	500443	45.864	ng		99
26) 2-Nitrophenol	7.681	139	148207	44.641	ng		95
27) 2,4-Dimethylphenol	7.722	122	213100	54.944	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	313402	44.824	ng		100
29) 2,4-Dichlorophenol	7.928	162	227977	43.504	ng		100
30) 1,2,4-Trichlorobenzene	8.004	180	248020	43.462	ng		99
31) Naphthalene	8.086	128	801721	43.150	ng		99
32) Benzoic acid	7.869	122	155591	38.622	ng		99
33) 4-Chloroaniline	8.151	127	33455	5.157	ng		98
34) Hexachlorobutadiene	8.198	225	154823	45.192	ng		99
35) Caprolactam	8.510	113	75644m	47.410	ng		
36) 4-Chloro-3-methylphenol	8.633	107	237344	40.888	ng		99
37) 2-Methylnaphthalene	8.775	142	494568	40.905	ng		99
38) 1-Methylnaphthalene	8.875	142	475629	40.617	ng		98
40) 1,2,4,5-Tetrachloroben...	8.939	216	267134	51.451	ng		99
41) Hexachlorocyclopentadiene	8.928	237	214619	124.280	ng		99
43) 2,4,6-Trichlorophenol	9.057	196	148966	44.392	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	156751	43.102	ng	97
46) 1,1'-Biphenyl	9.239	154	704815	50.658	ng	100
47) 2-Chloronaphthalene	9.263	162	477661	46.427	ng	99
48) 2-Nitroaniline	9.363	65	147377	42.683	ng	99
49) Acenaphthylene	9.675	152	708325	46.287	ng	99
50) Dimethylphthalate	9.539	163	558653	45.855	ng	99
51) 2,6-Dinitrotoluene	9.604	165	120041	45.072	ng	98
52) Acenaphthene	9.845	154	443504	43.109	ng	100
53) 3-Nitroaniline	9.775	138	62791	21.905	ng	100
54) 2,4-Dinitrophenol	9.892	184	113703	71.833	ng	89
55) Dibenzofuran	10.022	168	628029	41.589	ng	98
56) 4-Nitrophenol	9.957	139	147116	69.136	ng	93
57) 2,4-Dinitrotoluene	10.010	165	150202	42.364	ng	99
58) Fluorene	10.363	166	484714	41.514	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	121775	38.893	ng	94
60) Diethylphthalate	10.239	149	520629	43.434	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	244303	43.492	ng	97
62) 4-Nitroaniline	10.392	138	101261	34.789	ng	97
63) Azobenzene	10.516	77	576437	48.374	ng	91
65) 4,6-Dinitro-2-methylph...	10.422	198	75314	42.706	ng	92
66) n-Nitrosodiphenylamine	10.475	169	418931	51.549	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	139126	49.033	ng	99
68) Hexachlorobenzene	10.910	284	142049	48.618	ng	98
69) Atrazine	11.004	200	146673	60.160	ng	99
70) Pentachlorophenol	11.110	266	130299	69.745	ng	98
71) Phenanthrene	11.322	178	626888	44.859	ng	100
72) Anthracene	11.374	178	641761	45.684	ng	100
73) Carbazole	11.533	167	526396	41.645	ng	99
74) Di-n-butylphthalate	11.857	149	662894	45.419	ng	100
75) Fluoranthene	12.510	202	582756	39.333	ng	99
77) Benzidine	12.639	184	143363	36.881	ng	100
78) Pyrene	12.739	202	581460	38.754	ng	100
80) Butylbenzylphthalate	13.357	149	243882	46.928	ng	97
81) Benzo(a)anthracene	13.927	228	531104	45.331	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	111538	33.234	ng	99
83) Chrysene	13.963	228	485757	44.902	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	327142	55.813	ng	100
85) Di-n-octyl phthalate	14.521	149	558292	66.768	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	361745	38.503	ng	99
88) Benzo(b)fluoranthene	14.962	252	461750	45.227	ng	99
89) Benzo(k)fluoranthene	14.992	252	423795	48.611	ng	98
90) Benzo(a)pyrene	15.315	252	390519	47.271	ng	98
91) Dibenzo(a,h)anthracene	16.815	278	293878	38.603	ng	98
92) Benzo(g,h,i)perylene	17.233	276	266880	33.500	ng	99

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

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