Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
Data File : BF141127.D
Acq On : 13 Jan 2025 15:40
Operator : RC/JU
Sample : P1187-02
Misc : LOQ-SOIL-10PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Quant Time: Jan 13 16:02:31 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	157775	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	628828	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	352180	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	622102	20.000	ng		0.00
76) Chrysene-d12	13.986	240	416225	20.000	ng		0.00
86) Perylene-d12	15.445	264	336513	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	891278	87.267	ng		0.00
7) Phenol-d6	6.439	99	1135826	87.795	ng		0.00
23) Nitrobenzene-d5	7.381	82	754615	63.612	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	372298	92.776	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	1433321	62.148	ng		0.00
79) Terphenyl-d14	12.933	244	1574573	56.227	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.540	88	36398	8.003	ng		98
3) Pyridine	3.299	79	80182	7.189	ng		99
4) n-Nitrosodimethylamine	3.204	42	42237	7.745	ng	#	98
6) Aniline	6.481	93	113392	9.872	ng		99
8) 2-Chlorophenol	6.604	128	90379	8.248	ng		100
9) Benzaldehyde	6.369	77	72948	9.574	ng		97
10) Phenol	6.457	94	113983	8.230	ng		93
11) bis(2-Chloroethyl)ether	6.551	93	85452	8.280	ng		99
12) 1,3-Dichlorobenzene	6.757	146	98539	8.063	ng		99
13) 1,4-Dichlorobenzene	6.839	146	100883	8.192	ng		98
14) 1,2-Dichlorobenzene	6.992	146	94974	8.267	ng		98
15) Benzyl Alcohol	6.957	79	84503	9.045	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.092	45	119579	8.303	ng		98
17) 2-Methylphenol	7.063	107	70039	7.917	ng		98
18) Hexachloroethane	7.334	117	35689	8.014	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	64913	8.518	ng		99
20) 3+4-Methylphenols	7.216	107	91666	8.213	ng	#	86
22) Acetophenone	7.222	105	132943	8.893	ng		97
24) Nitrobenzene	7.398	77	99329	8.034	ng		99
25) Isophorone	7.634	82	169423	8.357	ng		99
26) 2-Nitrophenol	7.716	139	43700	7.770	ng		97
27) 2,4-Dimethylphenol	7.745	122	39984	5.271	ng		98
28) bis(2-Chloroethoxy)met...	7.851	93	105425	8.286	ng		98
29) 2,4-Dichlorophenol	7.951	162	73533	8.162	ng		98
30) 1,2,4-Trichlorobenzene	8.039	180	82537	8.015	ng		98
31) Naphthalene	8.122	128	275249	8.300	ng		99
32) Benzoic acid	7.816	122	83128	11.423	ng		99
33) 4-Chloroaniline	8.169	127	103113	8.991	ng		99
34) Hexachlorobutadiene	8.239	225	48621	7.835	ng		100
35) Caprolactam	8.504	113	23099	7.831	ng		98
36) 4-Chloro-3-methylphenol	8.639	107	80450	8.165	ng		99
37) 2-Methylnaphthalene	8.816	142	178747	8.459	ng		100
38) 1-Methylnaphthalene	8.910	142	165720	7.957	ng		98
40) 1,2,4,5-Tetrachloroben...	8.980	216	83852	8.295	ng		99
41) Hexachlorocyclopentadiene	8.969	237	41435	12.529	ng		97
43) 2,4,6-Trichlorophenol	9.086	196	51673	7.580	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	56325	7.823	ng	99
46) 1,1'-Biphenyl	9.280	154	236188	8.636	ng	98
47) 2-Chloronaphthalene	9.304	162	167053	7.842	ng	98
48) 2-Nitroaniline	9.392	65	48177	7.629	ng	95
49) Acenaphthylene	9.716	152	259446	8.525	ng	99
50) Dimethylphthalate	9.575	163	192749	8.152	ng	100
51) 2,6-Dinitrotoluene	9.633	165	40548	7.375	ng	93
52) Acenaphthene	9.886	154	176902	8.320	ng	99
53) 3-Nitroaniline	9.804	138	44212	7.913	ng	98
54) 2,4-Dinitrophenol	9.910	184	24417	9.343	ng	93
55) Dibenzofuran	10.063	168	241384	8.346	ng	99
56) 4-Nitrophenol	9.951	139	32768	7.489	ng	96
57) 2,4-Dinitrotoluene	10.033	165	54607	7.707	ng	96
58) Fluorene	10.404	166	188520	8.390	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	47629	7.958	ng	97
60) Diethylphthalate	10.275	149	188712	8.176	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	90863	8.297	ng	98
62) 4-Nitroaniline	10.410	138	43182	7.896	ng	99
63) Azobenzene	10.557	77	185288	8.135	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	37536	10.412	ng	92
66) n-Nitrosodiphenylamine	10.516	169	160171	7.982	ng	98
67) 4-Bromophenyl-phenylether	10.886	248	55728	7.781	ng	96
68) Hexachlorobenzene	10.951	284	63755	7.996	ng	100
69) Atrazine	11.039	200	52888	9.789	ng	99
70) Pentachlorophenol	11.145	266	36117	7.074	ng	98
71) Phenanthrene	11.369	178	284168	8.508	ng	98
72) Anthracene	11.416	178	264830	8.155	ng	99
73) Carbazole	11.569	167	242734	8.152	ng	99
74) Di-n-butylphthalate	11.910	149	288522	8.467	ng	99
75) Fluoranthene	12.557	202	283626	8.510	ng	97
77) Benzidine	12.680	184	80016	10.367	ng	99
78) Pyrene	12.780	202	297133	7.474	ng	100
80) Butylbenzylphthalate	13.410	149	102688	7.747	ng	96
81) Benzo(a)anthracene	13.974	228	230099	8.123	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	67453	7.478	ng	99
83) Chrysene	14.010	228	209256	7.895	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	130535	8.208	ng	99
85) Di-n-octyl phthalate	14.592	149	174494	7.266	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	179604	7.285	ng	98
88) Benzo(b)fluoranthene	15.021	252	176192	8.120	ng	98
89) Benzo(k)fluoranthene	15.045	252	166995	9.107	ng	98
90) Benzo(a)pyrene	15.380	252	148053	8.270	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	143301	7.187	ng	97
92) Benzo(g,h,i)perylene	17.327	276	142604	6.876	ng	98

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

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