Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020425\
Data File : BG063990.D
Acq On : 4 Feb 2025 14:29
Operator : RC/JU
Sample : P1187-02
Misc : LOQ-SOIL-10PPM
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 05 02:18:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.875	152	60795	20.000	ng		0.00
21) Naphthalene-d8	10.660	136	271473	20.000	ng		0.00
39) Acenaphthene-d10	14.497	164	180896	20.000	ng		0.00
64) Phenanthrene-d10	17.235	188	409877	20.000	ng		0.00
76) Chrysene-d12	21.471	240	426990	20.000	ng		0.00
86) Perylene-d12	24.491	264	439415	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.461	112	295928	78.044	ng		0.00
7) Phenol-d6	7.035	99	402593	77.368	ng		0.00
23) Nitrobenzene-d5	9.021	82	256785	57.487	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	146719	77.241	ng		0.00
45) 2-Fluorobiphenyl	13.122	172	643726	54.522	ng		0.00
79) Terphenyl-d14	19.861	244	1109205	54.253	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.398	88	12425	6.900	ng		93
3) Pyridine	3.786	79	27362	5.627	ng		96
4) n-Nitrosodimethylamine	3.698	42	17739	6.344	ng	#	95
6) Aniline	7.200	93	38857	6.968	ng		97
8) 2-Chlorophenol	7.441	128	27232	7.048	ng		95
9) Benzaldehyde	7.012	77	27294	9.608	ng		99
10) Phenol	7.059	94	36943	6.744	ng		98
11) bis(2-Chloroethyl)ether	7.300	93	30132	6.831	ng		99
12) 1,3-Dichlorobenzene	7.764	146	31637	6.881	ng		97
13) 1,4-Dichlorobenzene	7.911	146	33382	7.189	ng		92
14) 1,2-Dichlorobenzene	8.228	146	29104	6.540	ng		98
15) Benzyl Alcohol	8.104	79	24367	6.265	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.392	45	62078	6.989	ng		98
17) 2-Methylphenol	8.304	107	23085	6.516	ng		96
18) Hexachloroethane	8.951	117	10673	6.984	ng		85
19) n-Nitroso-di-n-propyla...	8.674	70	24671	6.846	ng		92
20) 3+4-Methylphenols	8.627	107	31148	6.600	ng		95
22) Acetophenone	8.686	105	48732	6.533	ng	#	98
24) Nitrobenzene	9.068	77	33151	9.734	ng		96
25) Isophorone	9.585	82	64754	6.687	ng	#	98
26) 2-Nitrophenol	9.773	139	6935	11.537	ng	#	81
27) 2,4-Dimethylphenol	9.832	122	13314	4.780	ng		96
28) bis(2-Chloroethoxy)met...	10.073	93	39318	6.381	ng		98
29) 2,4-Dichlorophenol	10.302	162	21756	9.011	ng		97
30) 1,2,4-Trichlorobenzene	10.525	180	29746	6.500	ng		86
31) Naphthalene	10.713	128	98342	6.757	ng		99
32) Benzoic acid	9.902	122	8594m	11.920	ng		
33) 4-Chloroaniline	10.813	127	36252	6.501	ng		95
34) Hexachlorobutadiene	11.007	225	18269	6.269	ng		96
35) Caprolactam	11.542	113	8021	10.325	ng	#	83
36) 4-Chloro-3-methylphenol	11.929	107	26008	5.833	ng		99
37) 2-Methylnaphthalene	12.323	142	62465	6.159	ng		97
38) 1-Methylnaphthalene	12.540	142	59212	5.900	ng		98
40) 1,2,4,5-Tetrachloroben...	12.681	216	33634	6.305	ng		98
41) Hexachlorocyclopentadiene	12.670	237	9832	7.282	ng		86
43) 2,4,6-Trichlorophenol	12.922	196	15861	9.439	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	19836	9.102	ng		96
46) 1,1'-Biphenyl	13.334	154	90239	6.552	ng		99
47) 2-Chloronaphthalene	13.369	162	66714	6.646	ng		98
48) 2-Nitroaniline	13.563	65	13966	10.001	ng		88
49) Acenaphthylene	14.215	152	104887	6.727	ng		98
50) Dimethylphthalate	13.951	163	78415	6.538	ng		99
51) 2,6-Dinitrotoluene	14.062	165	11166	9.513	ng		94
52) Acenaphthene	14.562	154	67027	6.408	ng		99
53) 3-Nitroaniline	14.391	138	13055	9.698	ng	#	91
54) 2,4-Dinitrophenol	14.591	184	3238	11.456	ng	#	88
55) Dibenzofuran	14.897	168	108171	6.369	ng		94
56) 4-Nitrophenol	14.685	139	11783m	12.978	ng		
57) 2,4-Dinitrotoluene	14.850	165	13380	9.591	ng	#	88
58) Fluorene	15.543	166	83378	6.352	ng		94
59) 2,3,4,6-Tetrachlorophenol	15.114	232	17319	9.745	ng	#	97
60) Diethylphthalate	15.320	149	81787	6.432	ng		97
61) 4-Chlorophenyl-phenyle...	15.543	204	43160	6.553	ng		99
62) 4-Nitroaniline	15.549	138	14027	8.473	ng		95
63) Azobenzene	15.837	77	94284	6.277	ng		97
65) 4,6-Dinitro-2-methylph...	15.607	198	5968	11.799	ng		89
66) n-Nitrosodiphenylamine	15.748	169	72614	6.390	ng		96
67) 4-Bromophenyl-phenylether	16.436	248	25562	6.266	ng		95
68) Hexachlorobenzene	16.548	284	29817	6.217	ng		97
69) Atrazine	16.700	200	25634	6.778	ng		96
70) Pentachlorophenol	16.888	266	14415m	12.790	ng		
71) Phenanthrene	17.276	178	140457	6.525	ng		99
72) Anthracene	17.370	178	133117	6.180	ng		98
73) Carbazole	17.634	167	128166	6.356	ng		97
74) Di-n-butylphthalate	18.216	149	135712	6.456	ng		99
75) Fluoranthene	19.285	202	160334	6.116	ng		97
77) Benzidine	19.474	184	68199	7.501	ng		96
78) Pyrene	19.650	202	176711	6.704	ng		97
80) Butylbenzylphthalate	20.555	149	47313	10.101	ng		93
81) Benzo(a)anthracene	21.454	228	179623	6.626	ng		97
82) 3,3'-Dichlorobenzidine	21.371	252	55360	6.557	ng		100
83) Chrysene	21.512	228	178414	6.613	ng		98
84) Bis(2-ethylhexyl)phtha...	21.395	149	83723	9.612	ng		96
85) Di-n-octyl phthalate	22.552	149	134244	11.695	ng		98
87) Indeno(1,2,3-cd)pyrene	27.899	276	193164	6.814	ng	#	94
88) Benzo(b)fluoranthene	23.539	252	163173	6.306	ng		97
89) Benzo(k)fluoranthene	23.604	252	170748	6.427	ng		99
90) Benzo(a)pyrene	24.350	252	148544	6.432	ng	#	94
91) Dibenzo(a,h)anthracene	27.952	278	152417	6.367	ng		94
92) Benzo(g,h,i)perylene	28.951	276	149367	6.181	ng		98

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

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