Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
Data File : BG063947.D
Acq On : 10 Jan 2025 12:07
Operator : RC/JU
Sample : P1187-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 10 12:39:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 03 23:17:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.768	152	140680	20.000	ng		-0.03
21) Naphthalene-d8	10.559	136	530151	20.000	ng		-0.02
39) Acenaphthene-d10	14.413	164	367140	20.000	ng		-0.03
64) Phenanthrene-d10	17.175	188	868342	20.000	ng		-0.02
76) Chrysene-d12	21.428	240	852810	20.000	ng		#-0.03
86) Perylene-d12	24.437	264	907391	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.359	112	876741	99.296	ng		-0.03
7) Phenol-d6	6.957	99	1272084	99.587	ng		-0.03
23) Nitrobenzene-d5	8.925	82	959930	71.325	ng		-0.03
42) 2,4,6-Tribromophenol	15.917	330	414743	93.680	ng		-0.02
45) 2-Fluorobiphenyl	13.032	172	1835381	72.423	ng		-0.02
79) Terphenyl-d14	19.813	244	2846667	66.277	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.262	88	28674	6.177	ng		95
3) Pyridine	3.655	79	61813	4.943	ng	#	88
4) n-Nitrosodimethylamine	3.573	42	23720	4.963	ng	#	66
6) Aniline	7.098	93	82302	7.417	ng		97
8) 2-Chlorophenol	7.339	128	51089	5.951	ng		96
9) Benzaldehyde	6.910	77	62344	7.643	ng		97
10) Phenol	6.981	94	79204	5.955	ng		96
11) bis(2-Chloroethyl)ether	7.192	93	63702	6.109	ng		97
12) 1,3-Dichlorobenzene	7.656	146	61507	5.944	ng		93
13) 1,4-Dichlorobenzene	7.803	146	61818	5.977	ng		94
14) 1,2-Dichlorobenzene	8.121	146	60178	5.912	ng		91
15) Benzyl Alcohol	8.009	79	48810	5.325	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.285	45	88999	5.929	ng		97
17) 2-Methylphenol	8.220	107	46433	5.379	ng		96
18) Hexachloroethane	8.843	117	23099	5.758	ng		88
19) n-Nitroso-di-n-propyla...	8.573	70	48704	5.221	ng		96
20) 3+4-Methylphenols	8.549	107	57132	4.920	ng		89
22) Acetophenone	8.585	105	96765	6.079	ng	#	98
24) Nitrobenzene	8.967	77	80856	5.595	ng		93
25) Isophorone	9.484	82	132425	5.583	ng	#	96
26) 2-Nitrophenol	9.678	139	23271	5.075	ng	#	84
27) 2,4-Dimethylphenol	9.742	122	24371	4.168	ng		96
28) bis(2-Chloroethoxy)met...	9.971	93	79702	5.635	ng		91
29) 2,4-Dichlorophenol	10.230	162	45650	5.225	ng		98
30) 1,2,4-Trichlorobenzene	10.424	180	61711	5.840	ng		97
31) Naphthalene	10.606	128	171278	5.959	ng		99
32) Benzoic acid	9.965	122	11136m	2.847	ng		
33) 4-Chloroaniline	10.723	127	58801	6.302	ng		96
34) Hexachlorobutadiene	10.894	225	39321	5.429	ng		95
35) Caprolactam	11.470	113	16755m	5.808	ng		
36) 4-Chloro-3-methylphenol	11.869	107	51978	5.360	ng		92
37) 2-Methylnaphthalene	12.222	142	119321	5.909	ng		88
38) 1-Methylnaphthalene	12.445	142	111444	5.549	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	76883	6.242	ng		99
43) 2,4,6-Trichlorophenol	12.850	196	38223	5.268	ng		93
44) 2,4,5-Trichlorophenol	12.933	196	40077	4.922	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.244	154	172149	6.424	ng		94
47) 2-Chloronaphthalene	13.285	162	128532	5.834	ng		95
48) 2-Nitroaniline	13.497	65	34668	4.703	ng		88
49) Acenaphthylene	14.137	152	209720	6.425	ng		98
50) Dimethylphthalate	13.873	163	153594	5.728	ng	#	96
51) 2,6-Dinitrotoluene	13.996	165	31122	5.210	ng		93
52) Acenaphthene	14.484	154	116519	5.838	ng		100
53) 3-Nitroaniline	14.331	138	28298	5.164	ng	#	98
54) 2,4-Dinitrophenol	14.560	184	5165m	9.427	ng		
55) Dibenzofuran	14.819	168	205783	5.940	ng		95
56) 4-Nitrophenol	14.678	139	16076m	4.278	ng		
57) 2,4-Dinitrotoluene	14.795	165	39676	4.732	ng	#	100
58) Fluorene	15.471	166	160980	5.981	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.054	232	37085	5.161	ng	#	99
60) Diethylphthalate	15.242	149	146762	5.552	ng		99
61) 4-Chlorophenyl-phenyle...	15.465	204	86020	5.894	ng		98
62) 4-Nitroaniline	15.494	138	27674	4.858	ng	#	82
63) Azobenzene	15.759	77	195408	5.844	ng		96
65) 4,6-Dinitro-2-methylph...	15.571	198	14586	3.222	ng		77
66) n-Nitrosodiphenylamine	15.682	169	132773	5.871	ng		98
67) 4-Bromophenyl-phenylether	16.364	248	54236	5.650	ng		98
68) Hexachlorobenzene	16.487	284	59837	5.460	ng		97
69) Atrazine	16.634	200	51066	7.044	ng		97
70) Pentachlorophenol	16.840	266	16795	3.694	ng	#	88
71) Phenanthrene	17.216	178	279044	6.178	ng		99
72) Anthracene	17.310	178	260816	5.932	ng		97
73) Carbazole	17.580	167	242383	5.969	ng		99
74) Di-n-butylphthalate	18.144	149	249449	5.513	ng		99
75) Fluoranthene	19.243	202	347686	6.100	ng		99
77) Benzidine	19.425	184	44699	3.746	ng		95
78) Pyrene	19.607	202	354895	6.067	ng		97
80) Butylbenzylphthalate	20.500	149	90306	5.004	ng		98
81) Benzo(a)anthracene	21.411	228	351189	6.156	ng		98
82) 3,3'-Dichlorobenzidine	21.334	252	97025	5.475	ng	#	96
83) Chrysene	21.475	228	350176	6.322	ng		97
84) Bis(2-ethylhexyl)phtha...	21.329	149	164115	5.947	ng		94
85) Di-n-octyl phthalate	22.457	149	272021	5.658	ng		98
87) Indeno(1,2,3-cd)pyrene	27.839	276	396041	6.285	ng	#	72
88) Benzo(b)fluoranthene	23.491	252	333022	5.871	ng		99
89) Benzo(k)fluoranthene	23.544	252	362064	6.361	ng		97
90) Benzo(a)pyrene	24.296	252	325070	6.452	ng	#	97
91) Dibenzo(a,h)anthracene	27.874	278	325687	6.245	ng		98
92) Benzo(g,h,i)perylene	28.884	276	326904	6.094	ng		98

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

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