Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
Data File : BG062638.D
Acq On : 4 Sep 2024 11:05
Operator : MA/JU
Sample : P3390-01
Misc : LOD-MDL-SOIL-4ng
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Quant Time: Sep 04 11:51:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.920	152	59277	20.000	ng		0.00
21) Naphthalene-d8	10.717	136	252002	20.000	ng		0.00
39) Acenaphthene-d10	14.548	164	211850	20.000	ng		0.00
64) Phenanthrene-d10	17.291	188	579915	20.000	ng		0.00
76) Chrysene-d12	21.533	240	628132	20.000	ng		0.00
86) Perylene-d12	24.606	264	693377	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	412373	120.249	ng		0.00
7) Phenol-d6	7.086	99	579028	116.878	ng		0.00
23) Nitrobenzene-d5	9.078	82	406836	86.946	ng		0.00
42) 2,4,6-Tribromophenol	16.034	330	409039	137.197	ng		0.00
45) 2-Fluorobiphenyl	13.173	172	1093426	83.603	ng		0.00
79) Terphenyl-d14	19.906	244	2286952	72.193	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.408	88	6249	4.374	ng		98
3) Pyridine	3.807	79	14959	3.634	ng		91
4) n-Nitrosodimethylamine	3.719	42	7863	3.929	ng	#	92
6) Aniline	7.250	93	21079	4.554	ng		96
8) 2-Chlorophenol	7.491	128	13797	3.747	ng		85
9) Benzaldehyde	7.062	77	15434	5.356	ng	#	85
10) Phenol	7.115	94	18723	3.733	ng		94
11) bis(2-Chloroethyl)ether	7.344	93	14669	3.820	ng		93
12) 1,3-Dichlorobenzene	7.814	146	17144	4.243	ng		91
13) 1,4-Dichlorobenzene	7.961	146	16565	3.984	ng		95
14) 1,2-Dichlorobenzene	8.273	146	15655	3.830	ng		90
15) Benzyl Alcohol	8.155	79	13147	3.587	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.437	45	28005	3.827	ng		98
17) 2-Methylphenol	8.361	107	11706	3.348	ng		98
18) Hexachloroethane	9.007	117	5810	3.727	ng		96
19) n-Nitroso-di-n-propyla...	8.719	70	14051	3.599	ng		99
20) 3+4-Methylphenols	8.690	107	16708	3.240	ng		91
22) Acetophenone	8.737	105	26256	3.862	ng	#	95
24) Nitrobenzene	9.119	77	21562	4.334	ng		98
25) Isophorone	9.636	82	38992	3.796	ng		99
26) 2-Nitrophenol	9.830	139	6587	3.504	ng		97
27) 2,4-Dimethylphenol	9.894	122	13670m	4.963	ng		
28) bis(2-Chloroethoxy)met...	10.123	93	21325	3.878	ng		98
29) 2,4-Dichlorophenol	10.364	162	14137	3.671	ng		98
30) 1,2,4-Trichlorobenzene	10.576	180	17741	3.886	ng		96
31) Naphthalene	10.764	128	50762	4.064	ng		98
32) Benzoic acid	9.941	122	6773m	2.286	ng		
33) 4-Chloroaniline	10.870	127	19470	3.961	ng		95
34) Hexachlorobutadiene	11.052	225	12569	3.942	ng		92
35) Caprolactam	11.610	113	6046	4.072	ng	#	83
36) 4-Chloro-3-methylphenol	11.992	107	16855	3.628	ng		89
37) 2-Methylnaphthalene	12.374	142	39470	4.074	ng		98
38) 1-Methylnaphthalene	12.591	142	37698m	3.875	ng		
40) 1,2,4,5-Tetrachloroben...	12.738	216	27047	4.245	ng		99
41) Hexachlorocyclopentadiene	12.720	237	5737	3.156	ng		84
43) 2,4,6-Trichlorophenol	12.979	196	14047m	3.478	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.049	196	17320	3.787	ng		97
46) 1,1'-Biphenyl	13.378	154	59875	4.236	ng		97
47) 2-Chloronaphthalene	13.419	162	45727	3.992	ng		100
48) 2-Nitroaniline	13.619	65	11727	3.893	ng		93
49) Acenaphthylene	14.266	152	70533	4.158	ng		96
50) Dimethylphthalate	13.995	163	62992	4.066	ng		100
51) 2,6-Dinitrotoluene	14.113	165	10255	3.500	ng		96
52) Acenaphthene	14.612	154	42040	3.965	ng		92
53) 3-Nitroaniline	14.448	138	10721	3.781	ng		99
54) 2,4-Dinitrophenol	14.659	184	2918	1.775	ng	#	83
55) Dibenzofuran	14.941	168	75177	4.134	ng		98
56) 4-Nitrophenol	14.753	139	8430	3.508	ng		93
57) 2,4-Dinitrotoluene	14.900	165	13731	3.435	ng	#	96
58) Fluorene	15.593	166	59126	4.143	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.170	232	16772m	3.871	ng		
60) Diethylphthalate	15.364	149	60523	3.942	ng		98
61) 4-Chlorophenyl-phenyle...	15.588	204	34580	4.221	ng		94
62) 4-Nitroaniline	15.605	138	11365	3.635	ng		93
63) Azobenzene	15.881	77	56972	3.952	ng		95
65) 4,6-Dinitro-2-methylph...	15.664	198	6890	2.662	ng		97
66) n-Nitrosodiphenylamine	15.799	169	52236	3.747	ng		99
67) 4-Bromophenyl-phenylether	16.481	248	23105	3.860	ng		93
68) Hexachlorobenzene	16.598	284	29096	4.105	ng		94
69) Atrazine	16.745	200	23845	5.035	ng		97
70) Pentachlorophenol	16.939	266	11199	2.467	ng		94
71) Phenanthrene	17.333	178	117436	4.339	ng		97
72) Anthracene	17.421	178	106564	4.004	ng		99
73) Carbazole	17.691	167	95923	3.921	ng		99
74) Di-n-butylphthalate	18.255	149	101792	3.689	ng		99
75) Fluoranthene	19.342	202	139866	4.086	ng		99
77) Benzidine	19.524	184	41686	3.682	ng		98
78) Pyrene	19.706	202	151648	3.798	ng		98
80) Butylbenzylphthalate	20.599	149	38150	3.253	ng		99
81) Benzo(a)anthracene	21.516	228	160380	4.048	ng		99
82) 3,3'-Dichlorobenzidine	21.434	252	50047	3.878	ng		97
83) Chrysene	21.581	228	153123	4.035	ng		99
84) Bis(2-ethylhexyl)phtha...	21.434	149	60490	3.395	ng	#	95
85) Di-n-octyl phthalate	22.597	149	101429	3.251	ng	#	96
87) Indeno(1,2,3-cd)pyrene	28.055	276	175504	3.947	ng	#	89
88) Benzo(b)fluoranthene	23.631	252	149797	3.911	ng		98
89) Benzo(k)fluoranthene	23.696	252	148782	3.971	ng		97
90) Benzo(a)pyrene	24.454	252	133822	3.955	ng	#	97
91) Dibenzo(a,h)anthracene	28.120	278	141119	3.853	ng	#	92
92) Benzo(g,h,i)perylene	29.136	276	136091	3.685	ng		99

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

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