Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
Data File : BG062648.D
Acq On : 4 Sep 2024 18:22
Operator : MA/JU
Sample : P2403-01
Misc : LOD-MDL-SOIL-8 ng
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 05 04:50:21 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	7.924	152	47011	20.000	ng		0.00
21) Naphthalene-d8	10.715	136	196476	20.000	ng		0.00
39) Acenaphthene-d10	14.546	164	160234	20.000	ng		0.00
64) Phenanthrene-d10	17.290	188	440390	20.000	ng		0.00
76) Chrysene-d12	21.532	240	498396	20.000	ng		0.00
86) Perylene-d12	24.599	264	554576	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.503	112	369495	135.859	ng		0.00
7) Phenol-d6	7.084	99	522897	133.087	ng		0.00
23) Nitrobenzene-d5	9.076	82	366737	100.527	ng		0.00
42) 2,4,6-Tribromophenol	16.032	330	343100	152.151	ng		0.00
45) 2-Fluorobiphenyl	13.171	172	954742	96.514	ng		0.00
79) Terphenyl-d14	19.910	244	2067002	82.234	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.412	88	10569	9.328	ng		96
3) Pyridine	3.805	79	27933	8.557	ng	#	89
4) n-Nitrosodimethylamine	3.717	42	15426	9.720	ng	#	92
6) Aniline	7.248	93	38575	10.509	ng		96
8) 2-Chlorophenol	7.483	128	26914	9.217	ng		95
9) Benzaldehyde	7.060	77	26775	11.715	ng		96
10) Phenol	7.113	94	34275	8.617	ng		98
11) bis(2-Chloroethyl)ether	7.342	93	27400	8.997	ng		90
12) 1,3-Dichlorobenzene	7.812	146	27725m	8.653	ng		
13) 1,4-Dichlorobenzene	7.959	146	29899	9.067	ng		99
14) 1,2-Dichlorobenzene	8.271	146	27638	8.527	ng		96
15) Benzyl Alcohol	8.153	79	25021	8.607	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.435	45	48184	8.302	ng		99
17) 2-Methylphenol	8.359	107	22052	7.954	ng		92
18) Hexachloroethane	9.005	117	10113	8.179	ng	#	78
19) n-Nitroso-di-n-propyla...	8.717	70	24134	7.795	ng	#	95
20) 3+4-Methylphenols	8.682	107	30019	7.339	ng		97
22) Acetophenone	8.735	105	45698	8.622	ng	#	98
24) Nitrobenzene	9.117	77	34443	8.880	ng		94
25) Isophorone	9.634	82	65076	8.126	ng		98
26) 2-Nitrophenol	9.828	139	12600	8.597	ng		89
27) 2,4-Dimethylphenol	9.886	122	16964	7.899	ng		93
28) bis(2-Chloroethoxy)met...	10.121	93	37882	8.837	ng		96
29) 2,4-Dichlorophenol	10.356	162	26542	8.840	ng		95
30) 1,2,4-Trichlorobenzene	10.574	180	32804	9.216	ng		99
31) Naphthalene	10.762	128	85812	8.812	ng		98
32) Benzoic acid	9.957	122	14817m	6.415	ng		
33) 4-Chloroaniline	10.868	127	35879	9.362	ng	#	90
34) Hexachlorobutadiene	11.050	225	22019	8.857	ng		94
35) Caprolactam	11.608	113	9265	8.004	ng		91
36) 4-Chloro-3-methylphenol	11.996	107	28945	7.992	ng		98
37) 2-Methylnaphthalene	12.372	142	64280	8.510	ng		92
38) 1-Methylnaphthalene	12.589	142	63151	8.326	ng		97
40) 1,2,4,5-Tetrachloroben...	12.736	216	43806	9.091	ng		97
41) Hexachlorocyclopentadiene	12.718	237	12586	9.154	ng		90
43) 2,4,6-Trichlorophenol	12.977	196	27001	8.839	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.047	196	29485	8.523	ng	#	94
46) 1,1'-Biphenyl	13.376	154	97397	9.111	ng		99
47) 2-Chloronaphthalene	13.418	162	76213	8.797	ng		95
48) 2-Nitroaniline	13.617	65	20418	8.960	ng		96
49) Acenaphthylene	14.264	152	125182	9.757	ng		95
50) Dimethylphthalate	13.999	163	106185	9.063	ng		99
51) 2,6-Dinitrotoluene	14.117	165	19209	8.668	ng	#	83
52) Acenaphthene	14.604	154	74854	9.333	ng		96
53) 3-Nitroaniline	14.440	138	20265	9.450	ng		93
54) 2,4-Dinitrophenol	14.651	184	6727	5.409	ng		93
55) Dibenzofuran	14.939	168	130374	9.479	ng		97
56) 4-Nitrophenol	14.751	139	15716	8.648	ng		96
57) 2,4-Dinitrotoluene	14.898	165	26399	8.730	ng		100
58) Fluorene	15.592	166	97898	9.069	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.168	232	30217	9.220	ng	#	97
60) Diethylphthalate	15.362	149	102083	8.790	ng		98
61) 4-Chlorophenyl-phenyle...	15.586	204	57756	9.320	ng		99
62) 4-Nitroaniline	15.603	138	21345	9.027	ng		99
63) Azobenzene	15.879	77	95898	8.794	ng		96
65) 4,6-Dinitro-2-methylph...	15.668	198	14972	7.618	ng		92
66) n-Nitrosodiphenylamine	15.797	169	92034	8.692	ng		95
67) 4-Bromophenyl-phenylether	16.479	248	38914	8.562	ng		94
68) Hexachlorobenzene	16.596	284	47179	8.765	ng		96
69) Atrazine	16.743	200	42048	11.692	ng		97
70) Pentachlorophenol	16.937	266	20011	5.804	ng		99
71) Phenanthrene	17.331	178	193246	9.401	ng		99
72) Anthracene	17.419	178	188694	9.336	ng		98
73) Carbazole	17.689	167	169582	9.127	ng		98
74) Di-n-butylphthalate	18.253	149	184559	8.808	ng		100
75) Fluoranthene	19.340	202	250458	9.634	ng		99
77) Benzidine	19.522	184	104156	11.595	ng		99
78) Pyrene	19.704	202	265384	8.377	ng		99
80) Butylbenzylphthalate	20.597	149	71678	7.703	ng		98
81) Benzo(a)anthracene	21.514	228	282328	8.981	ng		99
82) 3,3'-Dichlorobenzidine	21.432	252	96184	9.393	ng		96
83) Chrysene	21.579	228	277119	9.203	ng		98
84) Bis(2-ethylhexyl)phtha...	21.432	149	109033	7.712	ng	#	99
85) Di-n-octyl phthalate	22.595	149	188559	7.618	ng		98
87) Indeno(1,2,3-cd)pyrene	28.059	276	318042	8.944	ng	#	90
88) Benzo(b)fluoranthene	23.629	252	259335	8.466	ng		99
89) Benzo(k)fluoranthene	23.694	252	270506	9.028	ng		95
90) Benzo(a)pyrene	24.458	252	243473	8.997	ng		98
91) Dibenzo(a,h)anthracene	28.118	278	258630	8.829	ng		99
92) Benzo(g,h,i)perylene	29.134	276	247547	8.380	ng	#	97

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

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