Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139055.D
Acq On : 16 Aug 2024 13:54
Operator : RC/JU
Sample : P3390-01
Misc : LOD-MDL-SOIL8ppm
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 16 14:34:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	47600	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	200267	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	114429	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	207134	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	110019	20.000	ng		0.00
86) Perylene-d12	15.468	264	88917	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	401609	130.240	ng		0.00
7) Phenol-d6	6.487	99	541397	130.771	ng		0.00
23) Nitrobenzene-d5	7.404	82	360003	87.888	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	128025	136.585	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	663360	87.102	ng		-0.01
79) Terphenyl-d14	12.939	244	636723	96.896	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	10178	7.539	ng		92
3) Pyridine	3.434	79	21581m	6.599	ng		
4) n-Nitrosodimethylamine	3.316	42	16521	8.482	ng		82
6) Aniline	6.504	93	36612	9.916	ng	#	66
8) 2-Chlorophenol	6.628	128	27589	8.504	ng		98
9) Benzaldehyde	6.398	77	24790	9.989	ng		99
10) Phenol	6.498	94	36087	8.279	ng	#	51
11) bis(2-Chloroethyl)ether	6.575	93	25737	7.673	ng		98
12) 1,3-Dichlorobenzene	6.775	146	29144	8.025	ng		98
13) 1,4-Dichlorobenzene	6.851	146	29995	8.184	ng		100
14) 1,2-Dichlorobenzene	7.004	146	28091	8.201	ng		96
15) Benzyl Alcohol	6.992	79	27180	9.109	ng		88
16) 2,2'-oxybis(1-Chloropr...	7.104	45	48370	8.379	ng	#	48
17) 2-Methylphenol	7.104	107	21814	8.143	ng	#	79
18) Hexachloroethane	7.339	117	11408	8.269	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	22177	8.869	ng		94
20) 3+4-Methylphenols	7.263	107	28795	8.377	ng	#	66
22) Acetophenone	7.245	105	41055	8.373	ng		96
24) Nitrobenzene	7.422	77	34572	8.294	ng		97
25) Isophorone	7.657	82	58079	8.304	ng		97
26) 2-Nitrophenol	7.739	139	14989	8.358	ng		94
27) 2,4-Dimethylphenol	7.781	122	15694	7.315	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	33754	7.925	ng		99
29) 2,4-Dichlorophenol	7.998	162	22458	8.146	ng		96
30) 1,2,4-Trichlorobenzene	8.057	180	25322	7.959	ng		95
31) Naphthalene	8.139	128	83711	7.941	ng		100
32) Benzoic acid	7.928	122	5557m	3.295	ng		
33) 4-Chloroaniline	8.198	127	29973	8.471	ng		95
34) Hexachlorobutadiene	8.251	225	15681	8.137	ng		98
35) Caprolactam	8.545	113	6382	7.758	ng	#	86
36) 4-Chloro-3-methylphenol	8.686	107	26048	8.267	ng		98
37) 2-Methylnaphthalene	8.828	142	54088	8.124	ng		99
38) 1-Methylnaphthalene	8.928	142	52413	8.034	ng		98
40) 1,2,4,5-Tetrachloroben...	8.992	216	25514	8.027	ng		96
41) Hexachlorocyclopentadiene	8.975	237	336	7.330	ng		80
43) 2,4,6-Trichlorophenol	9.116	196	13766	7.103	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	15144	7.148	ng	#	88
46) 1,1'-Biphenyl	9.286	154	73422	8.193	ng		100
47) 2-Chloronaphthalene	9.316	162	51403	7.712	ng		97
48) 2-Nitroaniline	9.422	65	18280	8.090	ng		93
49) Acenaphthylene	9.728	152	81286	8.599	ng		99
50) Dimethylphthalate	9.586	163	62766	8.578	ng		99
51) 2,6-Dinitrotoluene	9.657	165	13401	8.116	ng	#	84
52) Acenaphthene	9.898	154	51003	8.026	ng		99
53) 3-Nitroaniline	9.833	138	13562	7.945	ng		97
54) 2,4-Dinitrophenol	9.980	184	2678m	3.523	ng		
55) Dibenzofuran	10.075	168	76922	8.575	ng		96
56) 4-Nitrophenol	10.057	139	2535m	2.470	ng		
57) 2,4-Dinitrotoluene	10.069	165	17683	8.394	ng	#	70
58) Fluorene	10.416	166	59500	8.329	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.204	232	14203m	8.768	ng		
60) Diethylphthalate	10.286	149	64230	9.258	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	28744	8.182	ng		92
62) 4-Nitroaniline	10.445	138	12081m	7.447	ng		
63) Azobenzene	10.569	77	66550	8.649	ng		97
65) 4,6-Dinitro-2-methylph...	10.486	198	6661	5.271	ng		87
66) n-Nitrosodiphenylamine	10.527	169	50919	7.864	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	16701	7.447	ng		97
68) Hexachlorobenzene	10.963	284	17655	7.625	ng		96
69) Atrazine	11.051	200	17229	10.314	ng		98
70) Pentachlorophenol	11.186	266	1482	1.420	ng		90
71) Phenanthrene	11.380	178	87870	8.239	ng		100
72) Anthracene	11.433	178	86188	8.203	ng		99
73) Carbazole	11.598	167	72493	7.997	ng		98
74) Di-n-butylphthalate	11.910	149	93512	9.176	ng		99
75) Fluoranthene	12.574	202	84574	8.494	ng		97
77) Benzidine	12.698	184	21161	8.042	ng		96
78) Pyrene	12.804	202	84539	8.161	ng		99
80) Butylbenzylphthalate	13.410	149	29700	8.954	ng		99
81) Benzo(a)anthracene	13.992	228	61152	8.072	ng		99
82) 3,3'-Dichlorobenzidine	13.957	252	16789	8.660	ng		99
83) Chrysene	14.027	228	52130	7.627	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	32139	6.617	ng		98
85) Di-n-octyl phthalate	14.568	149	46155	5.136	ng	#	92
87) Indeno(1,2,3-cd)pyrene	16.951	276	42276	6.635	ng		96
88) Benzo(b)fluoranthene	15.039	252	44505	8.074	ng		99
89) Benzo(k)fluoranthene	15.068	252	36973	7.747	ng		96
90) Benzo(a)pyrene	15.410	252	36746	7.926	ng		99
91) Dibenzo(a,h)anthracene	16.956	278	34805	6.654	ng		97
92) Benzo(g,h,i)perylene	17.398	276	34049	6.273	ng		99

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

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