Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
Data File : BF139261.D
Acq On : 05 Sep 2024 16:55
Operator : RC/JU
Sample : P2403-01
Misc : LOD-MDL-SOIL-4ng
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 05 17:25:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	125115	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	458226	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	250171	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	455918	20.000	ng		0.00
76) Chrysene-d12	14.045	240	225688	20.000	ng		0.00
86) Perylene-d12	15.521	264	210287	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	841470	112.510	ng		0.00
7) Phenol-d6	6.510	99	1129938	113.170	ng		0.00
23) Nitrobenzene-d5	7.451	82	720073	81.750	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	245578	113.679	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1259104	77.691	ng		0.00
79) Terphenyl-d14	12.992	244	1060766	75.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	14088	4.045	ng		99
3) Pyridine	3.481	79	29591	3.520	ng		98
4) n-Nitrosodimethylamine	3.369	42	20427	3.742	ng	#	97
6) Aniline	6.551	93	43934	4.785	ng		98
8) 2-Chlorophenol	6.669	128	32192	4.153	ng	#	75
9) Benzaldehyde	6.440	77	28291	4.681	ng		98
10) Phenol	6.522	94	42928	4.076	ng	#	29
11) bis(2-Chloroethyl)ether	6.622	93	31753	4.208	ng		99
12) 1,3-Dichlorobenzene	6.828	146	35789	4.079	ng		98
13) 1,4-Dichlorobenzene	6.904	146	35893	4.087	ng		96
14) 1,2-Dichlorobenzene	7.057	146	32914	4.019	ng		96
15) Benzyl Alcohol	7.022	79	39216	5.386	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	60483	4.211	ng		99
17) 2-Methylphenol	7.128	107	25206	3.981	ng		97
18) Hexachloroethane	7.398	117	11953	3.811	ng		98
19) n-Nitroso-di-n-propyla...	7.293	70	22874	3.978	ng		96
20) 3+4-Methylphenols	7.281	107	32784	4.108	ng		99
22) Acetophenone	7.287	105	47819	4.380	ng		97
24) Nitrobenzene	7.463	77	37517	4.013	ng		97
25) Isophorone	7.698	82	60997	4.051	ng		99
26) 2-Nitrophenol	7.781	139	13228	3.603	ng		99
27) 2,4-Dimethylphenol	7.816	122	20085	3.835	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	35674	3.976	ng		99
29) 2,4-Dichlorophenol	8.016	162	24959	3.981	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	28395	3.965	ng		98
31) Naphthalene	8.192	128	95108	4.099	ng		99
33) 4-Chloroaniline	8.234	127	35206	4.382	ng		98
34) Hexachlorobutadiene	8.310	225	17767	3.915	ng		99
35) Caprolactam	8.557	113	6911	3.560	ng		98
36) 4-Chloro-3-methylphenol	8.710	107	25768	3.771	ng		96
37) 2-Methylnaphthalene	8.881	142	60224	4.148	ng		99
38) 1-Methylnaphthalene	8.981	142	55841	3.911	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	29313	4.141	ng		99
41) Hexachlorocyclopentadiene	9.034	237	7896	3.471	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	17307	3.737	ng		97
44) 2,4,5-Trichlorophenol	9.192	196	17652	3.637	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	81477	4.396	ng		100
47) 2-Chloronaphthalene	9.369	162	57196	4.087	ng		98
48) 2-Nitroaniline	9.457	65	17688	3.669	ng		92
49) Acenaphthylene	9.781	152	92400	4.383	ng		99
50) Dimethylphthalate	9.639	163	62049	4.092	ng		99
51) 2,6-Dinitrotoluene	9.698	165	11966	3.479	ng		95
52) Acenaphthene	9.957	154	52903	3.784	ng		94
53) 3-Nitroaniline	9.869	138	12997	3.546	ng		92
54) 2,4-Dinitrophenol	9.975	184	1338	8.198	ng	#	43
55) Dibenzofuran	10.128	168	86436	4.312	ng		97
56) 4-Nitrophenol	10.016	139	6824	2.523	ng		92
57) 2,4-Dinitrotoluene	10.098	165	15058	3.439	ng		99
58) Fluorene	10.469	166	64764	4.167	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	13783	3.608	ng	#	98
60) Diethylphthalate	10.339	149	59463	3.985	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	31901	4.256	ng		96
62) 4-Nitroaniline	10.475	138	11659	3.342	ng		98
63) Azobenzene	10.622	77	62276	3.960	ng		98
66) n-Nitrosodiphenylamine	10.581	169	54381	4.098	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	17363	3.925	ng		97
68) Hexachlorobenzene	11.016	284	20079	3.965	ng		99
69) Atrazine	11.098	200	15221	4.971	ng		97
70) Pentachlorophenol	11.210	266	6451	2.205	ng		97
71) Phenanthrene	11.433	178	91876	4.314	ng		97
72) Anthracene	11.480	178	86123	4.139	ng		99
73) Carbazole	11.633	167	75696	3.893	ng		98
74) Di-n-butylphthalate	11.969	149	72299	3.631	ng		99
75) Fluoranthene	12.616	202	84102	3.939	ng		99
77) Benzidine	12.745	184	19610	4.315	ng		95
78) Pyrene	12.845	202	88969	4.081	ng		99
80) Butylbenzylphthalate	13.469	149	16286	3.173	ng		98
81) Benzo(a)anthracene	14.033	228	56874	3.947	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	14026	3.665	ng		99
83) Chrysene	14.069	228	55106	4.097	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	17793	2.954	ng		98
85) Di-n-octyl phthalate	14.645	149	26509	2.298	ng		96
87) Indeno(1,2,3-cd)pyrene	16.992	276	38039	2.896	ng		98
88) Benzo(b)fluoranthene	15.086	252	42750	3.530	ng		99
89) Benzo(k)fluoranthene	15.116	252	44491	4.097	ng		99
90) Benzo(a)pyrene	15.457	252	38523	3.746	ng		99
91) Dibenzo(a,h)anthracene	17.015	278	28691	2.650	ng		97
92) Benzo(g,h,i)perylene	17.433	276	30798	2.756	ng		98

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

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