Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139054.D
Acq On : 16 Aug 2024 13:24
Operator : RC/JU
Sample : P3390-01
Misc : LOD-MDL-SOIL4ppm
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 16 13:45:15 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	52283	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	223785	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	129230	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	237000	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	130942	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	97485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	450095	132.890	ng	0.00
7) Phenol-d6	6.487	99	612205	134.629	ng	0.00
23) Nitrobenzene-d5	7.404	82	407842	89.103	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	149043	140.797	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	746397	86.780	ng	-0.01
79) Terphenyl-d14	12.939	244	747646	95.597	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.593	88	5659	3.816	ng	# 91
3) Pyridine	3.475	79	12150m	3.382	ng	
4) n-Nitrosodimethylamine	3.340	42	8961	4.189	ng	# 79
6) Aniline	6.510	93	19909	4.909	ng	89
8) 2-Chlorophenol	6.628	128	15547	4.363	ng	88
9) Benzaldehyde	6.398	77	14012	5.140	ng	98
10) Phenol	6.498	94	19602	4.094	ng	# 22
11) bis(2-Chloroethyl)ether	6.575	93	14641	3.974	ng	96
12) 1,3-Dichlorobenzene	6.775	146	16448	4.123	ng	97
13) 1,4-Dichlorobenzene	6.851	146	16706	4.150	ng	100
14) 1,2-Dichlorobenzene	7.004	146	15657	4.162	ng	93
15) Benzyl Alcohol	6.992	79	17347	5.293	ng	# 79
16) 2,2'-oxybis(1-Chloropr...	7.104	45	28164	4.442	ng	55
17) 2-Methylphenol	7.110	107	12224	4.154	ng	# 81
18) Hexachloroethane	7.339	117	6470	4.270	ng	94
19) n-Nitroso-di-n-propyla...	7.245	70	12760	4.646	ng	95
20) 3+4-Methylphenols	7.269	107	15811	4.188	ng	# 56
22) Acetophenone	7.251	105	23736	4.332	ng	# 92
24) Nitrobenzene	7.422	77	20337	4.366	ng	96
25) Isophorone	7.657	82	32991	4.221	ng	97
26) 2-Nitrophenol	7.745	139	7424	3.705	ng	# 84
27) 2,4-Dimethylphenol	7.786	122	8416	3.510	ng	89
28) bis(2-Chloroethoxy)met...	7.869	93	18848	3.960	ng	98
29) 2,4-Dichlorophenol	8.010	162	12368	4.015	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	14254	4.009	ng	96
31) Naphthalene	8.139	128	47393	4.023	ng	98
32) Benzoic acid	7.939	122	2145m	1.138	ng	
33) 4-Chloroaniline	8.204	127	17336	4.384	ng	99
34) Hexachlorobutadiene	8.245	225	8630	4.008	ng	97
35) Caprolactam	8.545	113	3492	3.799	ng	# 78
36) 4-Chloro-3-methylphenol	8.692	107	14814	4.207	ng	96
37) 2-Methylnaphthalene	8.828	142	31231	4.198	ng	99
38) 1-Methylnaphthalene	8.928	142	29687	4.072	ng	99
40) 1,2,4,5-Tetrachloroben...	8.992	216	15657	4.361	ng	96
43) 2,4,6-Trichlorophenol	9.122	196	7592	3.469	ng	97
44) 2,4,5-Trichlorophenol	9.175	196	8783	3.671	ng	# 90

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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
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.286	154	42906	4.239	ng		97
47) 2-Chloronaphthalene	9.316	162	30244	4.018	ng		99
48) 2-Nitroaniline	9.428	65	10671	4.182	ng		94
49) Acenaphthylene	9.727	152	47069	4.409	ng		97
50) Dimethylphthalate	9.586	163	35956	4.351	ng		99
51) 2,6-Dinitrotoluene	9.657	165	7414	3.976	ng	#	73
52) Acenaphthene	9.898	154	29012	4.043	ng		97
53) 3-Nitroaniline	9.839	138	8221	4.264	ng		99
54) 2,4-Dinitrophenol	9.998	184	611	0.712	ng	#	80
55) Dibenzofuran	10.075	168	45324	4.474	ng		95
57) 2,4-Dinitrotoluene	10.075	165	10166	4.273	ng	#	68
58) Fluorene	10.416	166	34731	4.305	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	7064	3.862	ng	#	97
60) Diethylphthalate	10.286	149	36513	4.660	ng		97
61) 4-Chlorophenyl-phenyle...	10.404	204	18047	4.549	ng		94
62) 4-Nitroaniline	10.451	138	5709	3.116	ng	#	78
63) Azobenzene	10.569	77	38217	4.398	ng		95
65) 4,6-Dinitro-2-methylph...	10.492	198	3095	2.141	ng		84
66) n-Nitrosodiphenylamine	10.527	169	29674	4.006	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	10103	3.937	ng		94
68) Hexachlorobenzene	10.963	284	10293	3.885	ng		94
69) Atrazine	11.051	200	9802	5.128	ng		97
70) Pentachlorophenol	11.186	266	665	0.557	ng		93
71) Phenanthrene	11.380	178	51621	4.230	ng		99
72) Anthracene	11.433	178	50337	4.187	ng		99
73) Carbazole	11.598	167	41866	4.036	ng		98
74) Di-n-butylphthalate	11.910	149	53698	4.605	ng		98
75) Fluoranthene	12.574	202	48590	4.265	ng		96
77) Benzidine	12.698	184	11429	3.649	ng		95
78) Pyrene	12.804	202	51298	4.161	ng		98
80) Butylbenzylphthalate	13.410	149	17797	4.508	ng		98
81) Benzo(a)anthracene	13.992	228	37021	4.106	ng		98
82) 3,3'-Dichlorobenzidine	13.957	252	9886	4.284	ng		94
83) Chrysene	14.027	228	32314	3.972	ng		98
84) Bis(2-ethylhexyl)phtha...	13.963	149	20347	3.520	ng		98
85) Di-n-octyl phthalate	14.574	149	27299	2.552	ng	#	92
87) Indeno(1,2,3-cd)pyrene	16.956	276	23841	3.413	ng		95
88) Benzo(b)fluoranthene	15.045	252	24380	4.034	ng		98
89) Benzo(k)fluoranthene	15.068	252	23971	4.581	ng		98
90) Benzo(a)pyrene	15.409	252	21675	4.264	ng		97
91) Dibenzo(a,h)anthracene	16.962	278	18644	3.251	ng		97
92) Benzo(g,h,i)perylene	17.403	276	18992	3.191	ng		94

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

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