Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139053.D
Acq On : 16 Aug 2024 12:14
Operator : RC/JU
Sample : P3390-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Quant Time: Aug 16 12:33:19 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	48160	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	193025	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	111683	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	201989	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	106531	20.000	ng		# 0.00
86) Perylene-d12	15.469	264	85586	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	358168	114.802	ng		0.00
7) Phenol-d6	6.487	99	476952	113.865	ng		0.00
23) Nitrobenzene-d5	7.404	82	363713	92.125	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	114043	124.660	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	675128	90.827	ng		-0.01
79) Terphenyl-d14	12.939	244	677107	106.416	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	5995	4.389	ng	#	83
3) Pyridine	3.452	79	12108m	3.659	ng		
4) n-Nitrosodimethylamine	3.334	42	10241	5.197	ng	#	78
6) Aniline	6.504	93	21781	5.831	ng	#	65
8) 2-Chlorophenol	6.628	128	16895	5.147	ng		90
9) Benzaldehyde	6.399	77	14543	5.792	ng		98
10) Phenol	6.498	94	22261	5.048	ng	#	50
11) bis(2-Chloroethyl)ether	6.575	93	17691	5.213	ng		98
12) 1,3-Dichlorobenzene	6.775	146	18251	4.967	ng		96
13) 1,4-Dichlorobenzene	6.851	146	19003	5.125	ng		98
14) 1,2-Dichlorobenzene	7.004	146	17614	5.083	ng		95
15) Benzyl Alcohol	6.993	79	19906	6.594	ng		84
16) 2,2'-oxybis(1-Chloropr...	7.104	45	30039	5.143	ng		54
17) 2-Methylphenol	7.104	107	13865	5.115	ng	#	82
18) Hexachloroethane	7.340	117	7568	5.422	ng		93
19) n-Nitroso-di-n-propyla...	7.245	70	13336	5.271	ng		91
20) 3+4-Methylphenols	7.269	107	17966	5.166	ng	#	55
22) Acetophenone	7.251	105	26468	5.600	ng	#	93
24) Nitrobenzene	7.422	77	22073	5.494	ng		99
25) Isophorone	7.657	82	36897	5.473	ng		98
26) 2-Nitrophenol	7.745	139	8645	5.002	ng		92
27) 2,4-Dimethylphenol	7.787	122	10368	5.014	ng		98
28) bis(2-Chloroethoxy)met...	7.869	93	20755	5.056	ng		99
29) 2,4-Dichlorophenol	8.004	162	13715	5.161	ng		99
30) 1,2,4-Trichlorobenzene	8.057	180	15503	5.055	ng		99
31) Naphthalene	8.140	128	53038	5.220	ng		100
32) Benzoic acid	7.934	122	3070m	1.889	ng		
33) 4-Chloroaniline	8.198	127	18826	5.520	ng		96
34) Hexachlorobutadiene	8.245	225	9858	5.307	ng		99
35) Caprolactam	8.540	113	4282	5.400	ng		91
36) 4-Chloro-3-methylphenol	8.687	107	16624	5.474	ng		98
37) 2-Methylnaphthalene	8.828	142	33837	5.273	ng		100
38) 1-Methylnaphthalene	8.928	142	31856	5.066	ng		96
40) 1,2,4,5-Tetrachloroben...	8.992	216	16212	5.226	ng		99
43) 2,4,6-Trichlorophenol	9.122	196	8733	4.617	ng		96
44) 2,4,5-Trichlorophenol	9.175	196	9990	4.831	ng	#	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.287	154	47383	5.417	ng		99
47) 2-Chloronaphthalene	9.316	162	32421	4.984	ng		98
48) 2-Nitroaniline	9.428	65	11259	5.105	ng		97
49) Acenaphthylene	9.728	152	50888	5.515	ng		98
50) Dimethylphthalate	9.587	163	40638	5.691	ng		99
51) 2,6-Dinitrotoluene	9.657	165	8227	5.105	ng	#	76
52) Acenaphthene	9.898	154	32267	5.203	ng		100
53) 3-Nitroaniline	9.839	138	8885	5.333	ng		97
54) 2,4-Dinitrophenol	9.992	184	579	0.780	ng	#	73
55) Dibenzofuran	10.075	168	48771	5.571	ng		96
57) 2,4-Dinitrotoluene	10.075	165	10742	5.224	ng	#	66
58) Fluorene	10.416	166	37712	5.409	ng		96
59) 2,3,4,6-Tetrachlorophenol	10.204	232	7104	4.494	ng	#	98
60) Diethylphthalate	10.281	149	40837	6.031	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	18821	5.489	ng		96
62) 4-Nitroaniline	10.451	138	7351	4.643	ng		83
63) Azobenzene	10.569	77	42339	5.638	ng		96
65) 4,6-Dinitro-2-methylph...	10.492	198	4083	3.313	ng		86
66) n-Nitrosodiphenylamine	10.528	169	32047	5.076	ng		95
67) 4-Bromophenyl-phenylether	10.898	248	10830	4.952	ng		97
68) Hexachlorobenzene	10.963	284	11117	4.923	ng		94
69) Atrazine	11.051	200	10320	6.335	ng		96
70) Pentachlorophenol	11.192	266	929	0.913	ng	#	80
71) Phenanthrene	11.381	178	56395	5.422	ng		99
72) Anthracene	11.433	178	55287	5.396	ng		99
73) Carbazole	11.598	167	47534	5.377	ng		99
74) Di-n-butylphthalate	11.910	149	59776	6.015	ng		98
75) Fluoranthene	12.575	202	53073	5.466	ng		96
77) Benzidine	12.698	184	13666	5.363	ng	#	95
78) Pyrene	12.804	202	54930	5.476	ng		99
80) Butylbenzylphthalate	13.410	149	19607	6.104	ng		92
81) Benzo(a)anthracene	13.992	228	39274	5.354	ng		99
82) 3,3'-Dichlorobenzidine	13.957	252	10458	5.571	ng	#	97
83) Chrysene	14.027	228	33243	5.023	ng		100
84) Bis(2-ethylhexyl)phtha...	13.963	149	20710	4.403	ng		97
85) Di-n-octyl phthalate	14.574	149	28400	3.264	ng	#	93
87) Indeno(1,2,3-cd)pyrene	16.951	276	26731	4.358	ng		95
88) Benzo(b)fluoranthene	15.039	252	28521	5.376	ng		98
89) Benzo(k)fluoranthene	15.069	252	24435	5.319	ng		98
90) Benzo(a)pyrene	15.410	252	24769	5.550	ng		98
91) Dibenzo(a,h)anthracene	16.957	278	21468	4.264	ng		98
92) Benzo(g,h,i)perylene	17.404	276	21038	4.027	ng		94

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

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