Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
Data File : BM047161.D
Acq On : 12 Aug 2024 18:51
Operator : RC/JU
Sample : P3390-02
Misc : LOQ-SOIL-10NG
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 23:43:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	251757	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1072635	20.000	ng		0.00
39) Acenaphthene-d10	14.027	164	713559	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1583554	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1477601	20.000	ng		0.00
86) Perylene-d12	23.721	264	1652889	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	2062887	146.413	ng		0.00
7) Phenol-d6	6.581	99	2876087	148.144	ng		0.00
23) Nitrobenzene-d5	8.522	82	1879458	88.228	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	1309152	158.228	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	4101256	88.658	ng		0.00
79) Terphenyl-d14	19.462	244	6849820	99.334	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	69786	11.954	ng		99
3) Pyridine	3.416	79	184697	10.789	ng		97
4) n-Nitrosodimethylamine	3.328	42	86101	11.512	ng	#	95
6) Aniline	6.722	93	260401	14.191	ng		99
8) 2-Chlorophenol	6.945	128	179996	11.713	ng		98
9) Benzaldehyde	6.540	77	153605m	11.400	ng		
10) Phenol	6.604	94	218352	11.272	ng		94
11) bis(2-Chloroethyl)ether	6.822	93	194498	11.724	ng		98
12) 1,3-Dichlorobenzene	7.257	146	204014	11.172	ng		96
13) 1,4-Dichlorobenzene	7.404	146	213458	11.545	ng		99
14) 1,2-Dichlorobenzene	7.716	146	205614	11.787	ng		99
15) Benzyl Alcohol	7.622	79	176861	12.800	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.898	45	260432	12.234	ng		98
17) 2-Methylphenol	7.828	107	149034	11.532	ng		97
18) Hexachloroethane	8.422	117	78730	10.993	ng		92
19) n-Nitroso-di-n-propyla...	8.181	70	164935	12.613	ng		98
20) 3+4-Methylphenols	8.157	107	207645	11.493	ng		97
22) Acetophenone	8.192	105	309696	11.961	ng	#	98
24) Nitrobenzene	8.557	77	243216	11.339	ng		99
25) Isophorone	9.086	82	440787	11.884	ng		99
26) 2-Nitrophenol	9.263	139	97254	10.238	ng		99
27) 2,4-Dimethylphenol	9.339	122	105347	9.467	ng		99
28) bis(2-Chloroethoxy)met...	9.569	93	272039	11.656	ng		99
29) 2,4-Dichlorophenol	9.792	162	180849	10.953	ng		100
30) 1,2,4-Trichlorobenzene	9.998	180	203570	10.895	ng		98
31) Naphthalene	10.175	128	600046	11.229	ng		100
32) Benzoic acid	9.457	122	105793	8.183	ng		96
33) 4-Chloroaniline	10.304	127	252665	12.296	ng		99
34) Hexachlorobutadiene	10.463	225	111775	10.220	ng		98
35) Caprolactam	11.092	113	65495	11.422	ng		94
36) 4-Chloro-3-methylphenol	11.445	107	193164	10.985	ng		99
37) 2-Methylnaphthalene	11.804	142	428101	11.252	ng		99
38) 1-Methylnaphthalene	12.027	142	416953	11.089	ng		99
40) 1,2,4,5-Tetrachloroben...	12.186	216	221630	11.387	ng		99
41) Hexachlorocyclopentadiene	12.163	237	84213	12.391	ng		98
43) 2,4,6-Trichlorophenol	12.439	196	146261	10.573	ng		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	162658	10.590	ng	98
46) 1,1'-Biphenyl	12.851	154	587413	11.563	ng	98
47) 2-Chloronaphthalene	12.886	162	469651	11.829	ng	98
48) 2-Nitroaniline	13.110	65	142379	11.446	ng	94
49) Acenaphthylene	13.745	152	758706	12.963	ng	99
50) Dimethylphthalate	13.504	163	596509	11.970	ng	99
51) 2,6-Dinitrotoluene	13.621	165	127430	10.938	ng	97
52) Acenaphthene	14.092	154	436934	11.769	ng	100
53) 3-Nitroaniline	13.951	138	133290	11.418	ng	96
54) 2,4-Dinitrophenol	14.168	184	60246	8.628	ng	92
55) Dibenzofuran	14.433	168	723739	12.342	ng	99
56) 4-Nitrophenol	14.292	139	108982	10.827	ng	95
57) 2,4-Dinitrotoluene	14.421	165	170279	10.951	ng	93
58) Fluorene	15.092	166	589261	12.179	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.674	232	142744	11.308	ng	97
60) Diethylphthalate	14.892	149	593222	11.657	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	272350	11.823	ng	98
62) 4-Nitroaniline	15.127	138	130720m	11.367	ng	
63) Azobenzene	15.392	77	589166	12.210	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	84964	9.164	ng	93
66) n-Nitrosodiphenylamine	15.315	169	504503	11.697	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	161007	10.551	ng	94
68) Hexachlorobenzene	16.098	284	203191	11.118	ng	96
69) Atrazine	16.286	200	178563	13.758	ng	99
70) Pentachlorophenol	16.451	266	111604	8.712	ng	99
71) Phenanthrene	16.833	178	943782	11.876	ng	99
72) Anthracene	16.921	178	877707	11.350	ng	100
73) Carbazole	17.204	167	901383	11.417	ng	100
74) Di-n-butylphthalate	17.792	149	1021747	11.122	ng	99
75) Fluoranthene	18.868	202	1071940	11.089	ng	99
77) Benzidine	19.074	184	276312	11.027	ng	99
78) Pyrene	19.233	202	1132355	10.733	ng	99
80) Butylbenzylphthalate	20.174	149	453526	10.533	ng	98
81) Benzo(a)anthracene	21.009	228	1116610	11.383	ng	99
82) 3,3'-Dichlorobenzidine	20.950	252	399356	13.012	ng	98
83) Chrysene	21.068	228	1044253	11.220	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	675013	11.055	ng	98
85) Di-n-octyl phthalate	22.003	149	1097355	10.573	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	1261370	11.806	ng	99
88) Benzo(b)fluoranthene	22.880	252	1139847	11.612	ng	99
89) Benzo(k)fluoranthene	22.933	252	1095959	11.821	ng	99
90) Benzo(a)pyrene	23.591	252	980509	11.531	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	1052591	12.174	ng	98
92) Benzo(g,h,i)perylene	27.626	276	1034376	11.523	ng	99

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

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