Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
Data File : BP024088.D
Acq On : 18 Feb 2025 17:58
Operator : RC/JU
Sample : Q1168-02
Misc : LOQ-SOIL 10PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 19 00:51:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 02:25:07 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	345466	20.000	ng		0.00
21) Naphthalene-d8	10.540	136	1294695	20.000	ng		0.00
39) Acenaphthene-d10	14.387	164	656806	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1117933	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1119151	20.000	ng		0.00
86) Perylene-d12	25.033	264	1190641	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	1348699	60.916	ng		0.00
7) Phenol-d6	6.940	99	1794568	63.065	ng		0.00
23) Nitrobenzene-d5	8.905	82	1446465	62.329	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	436748	54.287	ng		0.00
45) 2-Fluorobiphenyl	12.998	172	3016164	64.199	ng		0.00
79) Terphenyl-d14	19.928	244	3434150	60.718	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	77323	8.903	ng		98
3) Pyridine	3.717	79	179350	7.943	ng		97
4) n-Nitrosodimethylamine	3.623	42	67758	8.459	ng	#	89
6) Aniline	7.093	93	266940	10.243	ng		99
8) 2-Chlorophenol	7.334	128	199192	8.500	ng		97
9) Benzaldehyde	6.911	77	167417m	12.886	ng		
10) Phenol	6.969	94	247122	8.636	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	195416	8.671	ng		99
12) 1,3-Dichlorobenzene	7.652	146	227900	8.853	ng		99
13) 1,4-Dichlorobenzene	7.799	146	233789	8.980	ng		99
14) 1,2-Dichlorobenzene	8.111	146	221037	8.846	ng		100
15) Benzyl Alcohol	7.999	79	140811	8.084	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	202925	9.275	ng		98
17) 2-Methylphenol	8.205	107	143469	8.228	ng		98
18) Hexachloroethane	8.834	117	83850	8.943	ng		98
19) n-Nitroso-di-n-propyla...	8.558	70	125765	8.220	ng		99
20) 3+4-Methylphenols	8.528	107	187965	7.924	ng		99
22) Acetophenone	8.575	105	291260	8.754	ng	#	98
24) Nitrobenzene	8.946	77	210968	9.237	ng		97
25) Isophorone	9.475	82	305711	8.056	ng		99
26) 2-Nitrophenol	9.657	139	72607	6.900	ng		97
27) 2,4-Dimethylphenol	9.722	122	127199	9.209	ng		98
28) bis(2-Chloroethoxy)met...	9.946	93	230720	8.392	ng		99
29) 2,4-Dichlorophenol	10.193	162	140447	7.451	ng		99
30) 1,2,4-Trichlorobenzene	10.399	180	181828	8.419	ng		99
31) Naphthalene	10.587	128	600692	8.629	ng		100
32) Benzoic acid	9.799	122	57930	10.862	ng		96
33) 4-Chloroaniline	10.699	127	198161	8.080	ng		98
34) Hexachlorobutadiene	10.875	225	105639	8.445	ng		98
35) Caprolactam	11.469	113	30856	9.869	ng		99
36) 4-Chloro-3-methylphenol	11.828	107	125129	6.457	ng		98
37) 2-Methylnaphthalene	12.199	142	360472	7.791	ng		98
38) 1-Methylnaphthalene	12.422	142	336588	7.478	ng		100
40) 1,2,4,5-Tetrachloroben...	12.569	216	182872	9.062	ng		99
41) Hexachlorocyclopentadiene	12.551	237	84186	11.211	ng		99
43) 2,4,6-Trichlorophenol	12.810	196	87247	7.089	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	98582	7.324	ng		96
46) 1,1'-Biphenyl	13.210	154	459404	9.001	ng		99
47) 2-Chloronaphthalene	13.257	162	340882	8.835	ng		100
48) 2-Nitroaniline	13.457	65	66891	7.339	ng		95
49) Acenaphthylene	14.104	152	488130	8.587	ng		99
50) Dimethylphthalate	13.840	163	365961	7.899	ng		99
51) 2,6-Dinitrotoluene	13.957	165	68549	7.263	ng		95
52) Acenaphthene	14.451	154	313239	8.557	ng		100
53) 3-Nitroaniline	14.293	138	70617	7.012	ng	#	96
54) 2,4-Dinitrophenol	14.498	184	21673	10.924	ng		92
55) Dibenzofuran	14.793	168	488375	8.213	ng		100
56) 4-Nitrophenol	14.616	139	49253	5.662	ng		93
57) 2,4-Dinitrotoluene	14.751	165	79373	6.474	ng		92
58) Fluorene	15.451	166	370179	7.971	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	81972	7.020	ng		100
60) Diethylphthalate	15.228	149	343339	7.465	ng		99
61) 4-Chlorophenyl-phenyle...	15.451	204	179755	7.864	ng		99
62) 4-Nitroaniline	15.469	138	67826	8.587	ng		93
63) Azobenzene	15.740	77	336786	7.815	ng		94
65) 4,6-Dinitro-2-methylph...	15.534	198	33748	10.120	ng		99
66) n-Nitrosodiphenylamine	15.663	169	296883	8.516	ng		99
67) 4-Bromophenyl-phenylether	16.357	248	101672	8.099	ng		99
68) Hexachlorobenzene	16.481	284	123548	8.364	ng		96
69) Atrazine	16.639	200	85483	9.555	ng		100
70) Pentachlorophenol	16.839	266	49514	5.161	ng		98
71) Phenanthrene	17.234	178	557532	8.846	ng		99
72) Anthracene	17.328	178	518418	8.583	ng		99
73) Carbazole	17.604	167	464736	8.076	ng		99
74) Di-n-butylphthalate	18.210	149	459269	6.840	ng		99
75) Fluoranthene	19.322	202	555714	7.795	ng		99
77) Benzidine	19.522	184	201786	14.796	ng		99
78) Pyrene	19.698	202	592282	8.332	ng		99
80) Butylbenzylphthalate	20.663	149	176328	6.473	ng		95
81) Benzo(a)anthracene	21.627	228	599478	8.542	ng		99
82) 3,3'-Dichlorobenzidine	21.557	252	168318	7.676	ng		98
83) Chrysene	21.698	228	586917	8.673	ng		97
84) Bis(2-ethylhexyl)phtha...	21.575	149	263541	6.380	ng		97
85) Di-n-octyl phthalate	22.869	149	367329	5.563	ng		98
87) Indeno(1,2,3-cd)pyrene	28.856	276	715054m	8.442	ng		
88) Benzo(b)fluoranthene	23.945	252	584917	7.736	ng		99
89) Benzo(k)fluoranthene	24.021	252	581292	7.899	ng		99
90) Benzo(a)pyrene	24.868	252	516739	8.053	ng		98
91) Dibenzo(a,h)anthracene	28.945	278	588489	8.263	ng		99
92) Benzo(g,h,i)perylene	30.027	276	562676	7.786	ng		98

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

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