Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022025\
Data File : BP024104.D
Acq On : 20 Feb 2025 11:44
Operator : RC/JU
Sample : Q1168-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

Quant Time: Feb 20 12:12:21 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.758	152	368038	20.000	ng		0.00
21) Naphthalene-d8	10.534	136	1632078	20.000	ng		0.00
39) Acenaphthene-d10	14.387	164	1005693	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1774034	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1570745	20.000	ng		0.00
86) Perylene-d12	25.033	264	1477124	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	2544836	107.893	ng		0.00
7) Phenol-d6	6.940	99	3552022	117.169	ng		0.00
23) Nitrobenzene-d5	8.905	82	2721878	93.041	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1321078	107.242	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	6345849	88.213	ng		0.00
79) Terphenyl-d14	19.916	244	7366829	92.804	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	91715	9.912	ng		99
3) Pyridine	3.711	79	223628	9.296	ng		100
4) n-Nitrosodimethylamine	3.617	42	82443	9.662	ng	#	94
6) Aniline	7.093	93	350551	12.627	ng		99
8) 2-Chlorophenol	7.328	128	250806	10.046	ng		97
9) Benzaldehyde	6.905	77	224429m	16.215	ng		
10) Phenol	6.963	94	315811	10.360	ng		97
11) bis(2-Chloroethyl)ether	7.187	93	262240	10.922	ng		98
12) 1,3-Dichlorobenzene	7.646	146	275744	10.054	ng		98
13) 1,4-Dichlorobenzene	7.793	146	282529	10.186	ng		99
14) 1,2-Dichlorobenzene	8.111	146	275632	10.355	ng		99
15) Benzyl Alcohol	7.999	79	201887	10.880	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	286346m	12.285	ng		
17) 2-Methylphenol	8.199	107	189622	10.207	ng		99
18) Hexachloroethane	8.828	117	101990	10.210	ng		95
19) n-Nitroso-di-n-propyla...	8.552	70	193935	11.898	ng		98
20) 3+4-Methylphenols	8.522	107	264101	10.450	ng		99
22) Acetophenone	8.569	105	423349	10.094	ng		100
24) Nitrobenzene	8.946	77	298470	10.367	ng		97
25) Isophorone	9.469	82	500999	10.472	ng		98
26) 2-Nitrophenol	9.652	139	109817	8.279	ng		98
27) 2,4-Dimethylphenol	9.716	122	146558	8.417	ng		98
28) bis(2-Chloroethoxy)met...	9.946	93	352017	10.157	ng		99
29) 2,4-Dichlorophenol	10.187	162	208787	8.787	ng		98
30) 1,2,4-Trichlorobenzene	10.399	180	249425	9.162	ng		99
31) Naphthalene	10.581	128	848876	9.673	ng		99
32) Benzoic acid	9.805	122	99945	12.105	ng		100
33) 4-Chloroaniline	10.693	127	321101	10.386	ng		99
34) Hexachlorobutadiene	10.869	225	147121	9.330	ng		99
35) Caprolactam	11.469	113	59116	12.102	ng		96
36) 4-Chloro-3-methylphenol	11.822	107	224340	9.184	ng		98
37) 2-Methylnaphthalene	12.193	142	583837	10.010	ng		100
38) 1-Methylnaphthalene	12.416	142	540297	9.522	ng		99
40) 1,2,4,5-Tetrachloroben...	12.563	216	285284	9.232	ng		100
41) Hexachlorocyclopentadiene	12.546	237	93408	8.124	ng		97
43) 2,4,6-Trichlorophenol	12.810	196	156732	8.317	ng		98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.887	196	177173	8.597	ng	98
46)	1,1'-Biphenyl	13.210	154	769032	9.841	ng	99
47)	2-Chloronaphthalene	13.251	162	562373	9.519	ng	99
48)	2-Nitroaniline	13.457	65	125461	8.990	ng	99
49)	Acenaphthylene	14.104	152	848513	9.749	ng	100
50)	Dimethylphthalate	13.840	163	653112	9.207	ng	100
51)	2,6-Dinitrotoluene	13.951	165	130945	9.061	ng	97
52)	Acenaphthene	14.451	154	542921	9.686	ng	99
53)	3-Nitroaniline	14.293	138	134265	8.707	ng	97
54)	2,4-Dinitrophenol	14.498	184	45934	12.132	ng	99
55)	Dibenzofuran	14.787	168	842768	9.256	ng	99
56)	4-Nitrophenol	14.616	139	95825	7.194	ng	95
57)	2,4-Dinitrotoluene	14.751	165	160248	8.537	ng	95
58)	Fluorene	15.451	166	652793	9.180	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.028	232	148870	8.326	ng	99
60)	Diethylphthalate	15.222	149	629202	8.935	ng	98
61)	4-Chlorophenyl-phenyle...	15.445	204	314561	8.987	ng	100
62)	4-Nitroaniline	15.469	138	130672	9.955	ng	97
63)	Azobenzene	15.745	77	617981	9.365	ng	97
65)	4,6-Dinitro-2-methylph...	15.534	198	69676	11.358	ng	97
66)	n-Nitrosodiphenylamine	15.663	169	533420	9.642	ng	99
67)	4-Bromophenyl-phenylether	16.357	248	186076	9.340	ng	99
68)	Hexachlorobenzene	16.475	284	222207	9.479	ng	99
69)	Atrazine	16.639	200	160397	11.298	ng	98
70)	Pentachlorophenol	16.834	266	104486	6.863	ng	97
71)	Phenanthrene	17.234	178	980269	9.801	ng	100
72)	Anthracene	17.328	178	903850	9.430	ng	98
73)	Carbazole	17.604	167	824890	9.033	ng	100
74)	Di-n-butylphthalate	18.204	149	884923	8.305	ng	100
75)	Fluoranthene	19.322	202	987582	8.730	ng	99
77)	Benzidine	19.516	184	266818	13.940	ng	99
78)	Pyrene	19.692	202	1050053	10.524	ng	98
80)	Butylbenzylphthalate	20.651	149	323164	8.453	ng	98
81)	Benzo(a)anthracene	21.622	228	949680	9.642	ng	99
82)	3,3'-Dichlorobenzidine	21.545	252	274313	8.913	ng	100
83)	Chrysene	21.692	228	912451	9.607	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.563	149	475243	8.197	ng	98
85)	Di-n-octyl phthalate	22.857	149	648040	6.993	ng	99
87)	Indeno(1,2,3-cd)pyrene	28.851	276	1034989	9.849	ng	98
88)	Benzo(b)fluoranthene	23.945	252	851402	9.077	ng	99
89)	Benzo(k)fluoranthene	24.010	252	890408	9.752	ng	99
90)	Benzo(a)pyrene	24.863	252	775717	9.745	ng	98
91)	Dibenzo(a,h)anthracene	28.951	278	868532	9.830	ng	99
92)	Benzo(g,h,i)perylene	30.045	276	795562	8.873	ng	99

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

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