Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021925\
Data File : BP024096.D
Acq On : 19 Feb 2025 13:16
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 19 13:48:39 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	325609	20.000	ng		0.00
21) Naphthalene-d8	10.540	136	1394559	20.000	ng		0.00
39) Acenaphthene-d10	14.387	164	817475	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1468041	20.000	ng		0.00
76) Chrysene-d12	21.633	240	1339893	20.000	ng		-0.01
86) Perylene-d12	25.015	264	1282983	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	2301891	110.310	ng		0.00
7) Phenol-d6	6.940	99	3141056	117.115	ng		0.00
23) Nitrobenzene-d5	8.905	82	2390760	95.642	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1106402	110.495	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	5433076	92.913	ng		0.00
79) Terphenyl-d14	19.910	244	6665183	98.431	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	81663	9.976	ng		100
3) Pyridine	3.711	79	194239	9.127	ng		98
4) n-Nitrosodimethylamine	3.617	42	75048	9.941	ng	#	95
6) Aniline	7.093	93	300088	12.218	ng		100
8) 2-Chlorophenol	7.328	128	220810	9.997	ng		96
9) Benzaldehyde	6.911	77	189913m	15.509	ng		
10) Phenol	6.963	94	278892	10.341	ng		95
11) bis(2-Chloroethyl)ether	7.187	93	226755	10.675	ng		98
12) 1,3-Dichlorobenzene	7.652	146	244186	10.064	ng		99
13) 1,4-Dichlorobenzene	7.793	146	248326	10.120	ng		99
14) 1,2-Dichlorobenzene	8.105	146	241589	10.259	ng		98
15) Benzyl Alcohol	7.999	79	168104	10.239	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.275	45	241540m	11.713	ng		
17) 2-Methylphenol	8.199	107	160570	9.770	ng		97
18) Hexachloroethane	8.828	117	89927	10.176	ng		94
19) n-Nitroso-di-n-propyla...	8.558	70	162333	11.257	ng		98
20) 3+4-Methylphenols	8.522	107	220885	9.879	ng		99
22) Acetophenone	8.569	105	360036	10.047	ng		98
24) Nitrobenzene	8.946	77	262999	10.691	ng		97
25) Isophorone	9.469	82	406870	9.953	ng		98
26) 2-Nitrophenol	9.652	139	91222	8.049	ng		95
27) 2,4-Dimethylphenol	9.716	122	126044	8.472	ng		99
28) bis(2-Chloroethoxy)met...	9.946	93	298973	10.096	ng		99
29) 2,4-Dichlorophenol	10.193	162	170879	8.416	ng		98
30) 1,2,4-Trichlorobenzene	10.399	180	214265	9.211	ng		100
31) Naphthalene	10.587	128	722073	9.630	ng		100
32) Benzoic acid	9.799	122	76717	11.636	ng		95
33) 4-Chloroaniline	10.693	127	262903	9.952	ng		99
34) Hexachlorobutadiene	10.875	225	124789	9.262	ng		98
35) Caprolactam	11.469	113	44078m	11.271	ng		
36) 4-Chloro-3-methylphenol	11.822	107	176742	8.468	ng		96
37) 2-Methylnaphthalene	12.193	142	471304	9.457	ng		99
38) 1-Methylnaphthalene	12.416	142	443358	9.144	ng		99
40) 1,2,4,5-Tetrachloroben...	12.563	216	236785	9.427	ng		99
41) Hexachlorocyclopentadiene	12.546	237	78992	8.452	ng		99
43) 2,4,6-Trichlorophenol	12.810	196	123322	8.051	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	140525	8.388	ng		99
46) 1,1'-Biphenyl	13.210	154	630618	9.927	ng		99
47) 2-Chloronaphthalene	13.251	162	460562	9.591	ng		98
48) 2-Nitroaniline	13.451	65	98055	8.644	ng		98
49) Acenaphthylene	14.098	152	672424	9.504	ng		100
50) Dimethylphthalate	13.834	163	528726	9.169	ng		99
51) 2,6-Dinitrotoluene	13.951	165	100384	8.546	ng		90
52) Acenaphthene	14.451	154	437637	9.606	ng		98
53) 3-Nitroaniline	14.293	138	105647	8.429	ng		99
54) 2,4-Dinitrophenol	14.498	184	34857	11.843	ng		96
55) Dibenzofuran	14.792	168	678883	9.173	ng		99
56) 4-Nitrophenol	14.616	139	72062	6.656	ng		91
57) 2,4-Dinitrotoluene	14.745	165	121561	7.967	ng	#	84
58) Fluorene	15.451	166	534100	9.240	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.022	232	117836	8.107	ng		97
60) Diethylphthalate	15.222	149	510079	8.911	ng		99
61) 4-Chlorophenyl-phenyle...	15.445	204	260030	9.140	ng		98
62) 4-Nitroaniline	15.469	138	102453	9.719	ng		94
63) Azobenzene	15.745	77	496390	9.254	ng		95
65) 4,6-Dinitro-2-methylph...	15.534	198	53993	11.018	ng		95
66) n-Nitrosodiphenylamine	15.663	169	424033	9.262	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	147878	8.970	ng		99
68) Hexachlorobenzene	16.481	284	180288	9.294	ng		98
69) Atrazine	16.639	200	127051	10.814	ng		99
70) Pentachlorophenol	16.834	266	75908	6.025	ng		99
71) Phenanthrene	17.228	178	795998	9.617	ng		100
72) Anthracene	17.322	178	712168	8.979	ng		99
73) Carbazole	17.598	167	653505	8.648	ng		100
74) Di-n-butylphthalate	18.198	149	713237	8.089	ng		100
75) Fluoranthene	19.310	202	785959	8.396	ng		99
77) Benzidine	19.510	184	227246	13.918	ng		99
78) Pyrene	19.686	202	842689	9.901	ng		99
80) Butylbenzylphthalate	20.645	149	279702	8.576	ng		98
81) Benzo(a)anthracene	21.616	228	805836	9.591	ng		99
82) 3,3'-Dichlorobenzidine	21.539	252	227288	8.657	ng		99
83) Chrysene	21.680	228	774057	9.554	ng		99
84) Bis(2-ethylhexyl)phtha...	21.557	149	396025	8.008	ng		97
85) Di-n-octyl phthalate	22.851	149	531962	6.729	ng		97
87) Indeno(1,2,3-cd)pyrene	28.833	276	872794	9.562	ng		98
88) Benzo(b)fluoranthene	23.933	252	736745	9.043	ng		100
89) Benzo(k)fluoranthene	23.998	252	749400	9.450	ng		99
90) Benzo(a)pyrene	24.851	252	651893	9.428	ng		98
91) Dibenzo(a,h)anthracene	28.915	278	735420	9.583	ng		99
92) Benzo(g,h,i)perylene	30.009	276	674665	8.663	ng		99

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

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