

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101403.D
 Acq On : 29 Oct 2024 12:42
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 29 13:23:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.572	152	96533	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	489426	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	364612	20.000	ng	0.00
64) Phenanthrene-d10	16.914	188	880180	20.000	ng	0.00
76) Chrysene-d12	21.074	240	1010619	20.000	ng	0.00
86) Perylene-d12	23.360	264	1188813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	472889	85.858	ng	0.00
7) Phenol-d6	6.944	99	678730	88.873	ng	0.00
23) Nitrobenzene-d5	8.783	82	476722	61.179	ng	0.00
42) 2,4,6-Tribromophenol	15.686	330	579413	90.668	ng	0.00
45) 2-Fluorobiphenyl	12.801	172	1372193	63.735	ng	0.00
79) Terphenyl-d14	19.505	244	2791025	63.562	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.219	88	27360	13.319	ng	98
3) Pyridine	3.736	79	63555m	10.935	ng	
4) n-Nitrosodimethylamine	3.600	42	24075	10.706	ng	# 87
6) Aniline	7.014	93	112306	19.188	ng	98
8) 2-Chlorophenol	7.214	128	81794	12.382	ng	99
9) Benzaldehyde	6.785	77	60074	16.295	ng	99
10) Phenol	6.967	94	106211	12.818	ng	94
11) bis(2-Chloroethyl)ether	7.038	93	70718m	10.403	ng	
12) 1,3-Dichlorobenzene	7.455	146	88235	12.387	ng	98
13) 1,4-Dichlorobenzene	7.608	146	88739	12.199	ng	98
14) 1,2-Dichlorobenzene	7.937	146	87327	12.265	ng	98
15) Benzyl Alcohol	7.913	79	54895	12.059	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.066	45	113091	13.220	ng	98
17) 2-Methylphenol	8.154	107	63990	11.410	ng	98
18) Hexachloroethane	8.630	117	27904	11.747	ng	98
19) n-Nitroso-di-n-propyla...	8.371	70	65165	12.858	ng	97
20) 3+4-Methylphenols	8.489	107	88038	11.372	ng	98
22) Acetophenone	8.424	105	137071	12.334	ng	# 98
24) Nitrobenzene	8.824	77	97084	11.706	ng	98
25) Isophorone	9.270	82	186046	12.235	ng	100
26) 2-Nitrophenol	9.511	139	43513	10.855	ng	98
27) 2,4-Dimethylphenol	9.629	122	40407	8.011	ng	98
28) bis(2-Chloroethoxy)met...	9.776	93	109885	11.916	ng	98
29) 2,4-Dichlorophenol	10.058	162	80182	11.490	ng	98
30) 1,2,4-Trichlorobenzene	10.181	180	87849	11.556	ng	98
31) Naphthalene	10.387	128	297238	11.918	ng	100
32) Benzoic acid	9.834	122	44026m	15.248	ng	
33) 4-Chloroaniline	10.610	127	117239	13.518	ng	99
34) Hexachlorobutadiene	10.633	225	50214	11.159	ng	96
35) Caprolactam	11.385	113	29472	11.018	ng	96
36) 4-Chloro-3-methylphenol	11.779	107	90793	11.427	ng	99
37) 2-Methylnaphthalene	11.973	142	219382	12.209	ng	98
38) 1-Methylnaphthalene	12.202	142	206751	11.529	ng	99
40) 1,2,4,5-Tetrachloroben...	12.331	216	109153	11.925	ng	100
41) Hexachlorocyclopentadiene	12.314	237	39602	13.101	ng	98
43) 2,4,6-Trichlorophenol	12.649	196	71431	11.320	ng	99

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44) 2,4,5-Trichlorophenol	12.749	196	78994	10.932	ng	98
46) 1,1'-Biphenyl	13.007	154	310088	12.413	ng	100
47) 2-Chloronaphthalene	13.048	162	230825	11.696	ng	98
48) 2-Nitroaniline	13.383	65	60590	11.408	ng	97
49) Acenaphthylene	13.912	152	380294	13.030	ng	99
50) Dimethylphthalate	13.683	163	326003	12.667	ng	98
51) 2,6-Dinitrotoluene	13.818	165	66129	11.129	ng	98
52) Acenaphthene	14.241	154	231002	12.121	ng	100
53) 3-Nitroaniline	14.229	138	70617	11.952	ng	95
54) 2,4-Dinitrophenol	14.364	184	31913	12.645	ng	92
55) Dibenzofuran	14.582	168	382898	12.606	ng	97
56) 4-Nitrophenol	14.640	139	58188	10.754	ng	98
57) 2,4-Dinitrotoluene	14.599	165	90846	11.105	ng	91
58) Fluorene	15.222	166	316242	12.445	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.852	232	81909	12.269	ng	99
60) Diethylphthalate	15.005	149	338297	12.567	ng	98
61) 4-Chlorophenyl-phenyle...	15.210	204	153231	12.152	ng	96
62) 4-Nitroaniline	15.410	138	77201	11.742	ng	99
63) Azobenzene	15.504	77	291061	12.578	ng	98
65) 4,6-Dinitro-2-methylph...	15.345	198	59273	11.460	ng	97
66) n-Nitrosodiphenylamine	15.457	169	281890	12.077	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	105518	11.397	ng	100
68) Hexachlorobenzene	16.197	284	140525	11.579	ng	98
69) Atrazine	16.391	200	105132	14.692	ng	98
70) Pentachlorophenol	16.609	266	107500	15.389	ng	98
71) Phenanthrene	16.955	178	536412	12.729	ng	97
72) Anthracene	17.044	178	508462	12.357	ng	97
73) Carbazole	17.373	167	516908	12.277	ng	98
74) Di-n-butylphthalate	17.819	149	582289	12.562	ng	97
75) Fluoranthene	18.959	202	654414	12.785	ng	95
77) Benzidine	19.217	184	140213	10.932	ng	100
78) Pyrene	19.329	202	703505	12.658	ng	96
80) Butylbenzylphthalate	20.181	149	288885	11.857	ng	99
81) Benzo(a)anthracene	21.051	228	759286	13.367	ng	95
82) 3,3'-Dichlorobenzidine	21.027	252	261812	11.766	ng	99
83) Chrysene	21.109	228	729629	13.285	ng	94
84) Bis(2-ethylhexyl)phtha...	20.880	149	382917	11.831	ng	# 95
85) Di-n-octyl phthalate	21.732	149	663125	12.483	ng	100
87) Indeno(1,2,3-cd)pyrene	25.669	276	1082264	13.603	ng	99
88) Benzo(b)fluoranthene	22.649	252	792441	12.791	ng	97
89) Benzo(k)fluoranthene	22.690	252	839727	14.508	ng	97
90) Benzo(a)pyrene	23.248	252	749172	13.827	ng	99
91) Dibenzo(a,h)anthracene	25.663	278	884922	13.461	ng	99
92) Benzo(g,h,i)perylene	26.409	276	825102	12.181	ng	100

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

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