

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020525\
 Data File : BP023952.D
 Acq On : 06 Feb 2025 01:50
 Operator : RC/JU
 Sample : PB166502BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS502

Quant Time: Feb 06 07:56:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 11:19:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	451131	20.000	ng/u1	0.00
20) Naphthalene-d8	10.546	136	1870281	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.387	164	1155227	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.187	188	2300049	20.000	ng/u1	0.00
79) Chrysene-d12	21.616	240	2517946	20.000	ng/u1	-0.02
88) Perylene-d12	24.963	264	2414395	20.000	ng/u1	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	72731	6.698	ng/uL	0.00
4) Pyridine-d5	3.699	84	1043905	33.319	ng/u1	0.00
7) Phenol-d5	6.958	99	1312821	32.883	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.105	67	692009	32.747	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	1051920	33.553	ng/u1	0.00
15) 4-Methylphenol-d8	8.475	113	1011844	31.025	ng/u1	0.00
21) Nitrobenzene-d5	8.916	128	487860	32.603	ng/u1	0.00
24) 2-Nitrophenol-d4	9.628	143	512585	31.747	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.169	165	964269	32.555	ng/u1	0.00
31) 4-Chloroaniline-d4	10.675	131	1104087	24.925	ng/u1	0.00
46) Dimethylphthalate-d6	13.793	166	2636052	30.592	ng/u1	0.00
49) Acenaphthylene-d8	14.081	160	3124869	32.154	ng/u1	0.00
54) 4-Nitrophenol-d4	14.604	143	560848	32.774	ng/u1	0.00
60) Fluorene-d10	15.398	176	2335728	32.188	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.516	200	434203	30.600	ng/u1	0.00
73) Anthracene-d10	17.287	188	3676173	32.552	ng/u1	0.00
81) Pyrene-d10	19.651	212	4381215	32.474	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.745	264	4224504	33.535	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	145261	12.722	ng/uL	99
5) Pyridine	3.723	79	1041056	33.189	ng/u1	98
6) Benzaldehyde	6.922	77	181755	9.276	ng/u1	98
8) Phenol	6.981	94	1367233	33.352	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.199	93	992577	31.807	ng/u1	99
12) 2-Chlorophenol	7.346	128	1085065	33.595	ng/u1	99
13) 2-Methylphenol	8.211	108	961737	31.179	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.281	45	1029156	31.966	ng/u1	100
16) Acetophenone	8.581	105	1563332	31.357	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.569	70	731571	31.161	ng/u1	97
18) 4-Methylphenol	8.540	108	1083496	31.660	ng/u1	100
19) Hexachloroethane	8.846	117	416019	32.574	ng/u1	98
22) Nitrobenzene	8.958	77	1106933	34.088	ng/u1	98
23) Isophorone	9.481	82	2006105	30.596	ng/u1	98
25) 2-Nitrophenol	9.663	139	559619	31.777	ng/u1	96
26) 2,4-Dimethylphenol	9.728	107	915207	28.078	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.958	93	1259795	30.846	ng/u1	99
29) 2,4-Dichlorophenol	10.199	162	977828	32.554	ng/u1	99
30) Naphthalene	10.593	128	3228847	32.252	ng/u1	100
32) 4-Chloroaniline	10.699	127	747065	17.871	ng/u1	99
33) Hexachlorobutadiene	10.881	225	567974	31.234	ng/u1	98
34) Caprolactam	11.475	113	304548m	26.171	ng/u1	
35) 4-Chloro-3-methylphenol	11.834	107	1006088	31.159	ng/u1	99
36) 2-Methylnaphthalene	12.204	142	2164002	30.743	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.416	142	2157218	30.892	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.569	216	1116209	32.684	ng/ul	98
40) Hexachlorocyclopentadiene	12.557	237	427154	22.196	ng/ul	99
41) 2,4,6-Trichlorophenol	12.810	196	691293	30.303	ng/ul	98
42) 2,4,5-Trichlorophenol	12.887	196	777836	31.634	ng/ul	100
43) 1,1'-Biphenyl	13.216	154	2804730	32.708	ng/ul	100
44) 2-Chloronaphthalene	13.257	162	2218565	33.204	ng/ul	99
45) 2-Nitroaniline	13.457	65	595935	34.269	ng/ul	91
47) Dimethylphthalate	13.846	163	2628062	30.653	ng/ul	100
48) 2,6-Dinitrotoluene	13.957	165	534781	31.918	ng/ul	96
50) Acenaphthylene	14.110	152	3415847	33.004	ng/ul	100
51) 3-Nitroaniline	14.287	138	575291	31.242	ng/ul	95
52) Acenaphthene	14.457	153	2368733	32.280	ng/ul	100
53) 2,4-Dinitrophenol	14.498	184	272876	27.318	ng/ul	97
55) 4-Nitrophenol	14.616	109	431501	35.642	ng/ul	93
56) Dibenzofuran	14.798	168	3260592	32.067	ng/ul	99
57) 2,4-Dinitrotoluene	14.757	165	802583	32.204	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.022	232	609915	29.150	ng/ul	91
59) Diethylphthalate	15.228	149	2631943	30.640	ng/ul	100
61) Fluorene	15.457	166	2828069	33.527	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.451	204	1336876	32.017	ng/ul	99
63) 4-Nitroaniline	15.475	138	708155	39.528	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.528	198	472883	30.312	ng/ul	99
67) N-Nitrosodiphenylamine	15.669	169	2275710	32.419	ng/ul	100
68) 4-Bromophenyl-phenylether	16.363	248	808978	31.175	ng/ul	99
69) Hexachlorobenzene	16.475	284	949581	30.201	ng/ul	94
70) Atrazine	16.634	200	307265	11.303	ng/ul	98
71) Pentachlorophenol	16.834	266	532999	27.560	ng/ul	99
72) Phenanthrene	17.228	178	4306740	33.157	ng/ul	99
74) Anthracene	17.322	178	4335048	33.095	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.181	216	1082455	32.139	ng/ul	99
76) Pentachlorobenzene	14.710	250	1074680	29.609	ng/ul	99
77) Carbazole	17.604	167	4079759	35.551	ng/ul	99
78) Di-n-butylphthalate	18.186	149	4557744	32.089	ng/ul	100
80) Fluoranthene	19.304	202	5086159	32.729	ng/ul	100
82) Pyrene	19.681	202	5479210	33.716	ng/ul	100
83) Butylbenzylphthalate	20.622	149	2149685	30.717	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.516	252	1438382	26.403	ng/ul	100
85) Benzo(a)anthracene	21.598	228	5323426	32.151	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.533	149	3087669	30.238	ng/ul	98
87) Chrysene	21.663	228	5038249	33.024	ng/ul	99
89) Di-n-octyl phthalate	22.822	149	4978523	34.398	ng/ul	100
90) Benzo(b)fluoranthene	23.904	252	4984921	34.027	ng/ul	99
91) Benzo(k)fluoranthene	23.980	252	5203009	35.427	ng/ul	99
93) Benzo(a)pyrene	24.810	252	4654247	34.019	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.780	276	5745707m	32.400	ng/ul	
95) Dibenzo(a,h)anthracene	28.857	278	4744320	32.980	ng/ul	99
96) Benzo(g,h,i)perylene	29.974	276	4451622m	32.773	ng/ul	

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

