

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012025\
 Data File : BP023673.D
 Acq On : 21 Jan 2025 04:00
 Operator : RC/JU
 Sample : PB166118BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS118

Quant Time: Jan 21 04:25:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP011425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 20 21:50:54 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/22/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	675891	20.000	ng/u1	0.00
20) Naphthalene-d8	10.581	136	2739525	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.433	164	1629676	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.221	188	3190595	20.000	ng/u1	0.00
79) Chrysene-d12	21.656	240	3567193	20.000	ng/u1	0.00
88) Perylene-d12	25.044	264	3739464	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	92621	5.053	ng/uL	0.00
4) Pyridine-d5	3.722	84	1506089	29.472	ng/u1	0.00
7) Phenol-d5	6.969	99	1790413	30.769	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	971077	28.487	ng/u1	0.00
11) 2-Chlorophenol-d4	7.340	132	1457115	31.708	ng/u1	0.00
15) 4-Methylphenol-d8	8.498	113	1367516	30.299	ng/u1	0.00
21) Nitrobenzene-d5	8.945	128	643153	30.758	ng/u1	0.00
24) 2-Nitrophenol-d4	9.663	143	592884	43.197	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.204	165	1285082	30.783	ng/u1	0.00
31) 4-Chloroaniline-d4	10.710	131	1642673	24.647	ng/u1	0.00
46) Dimethylphthalate-d6	13.839	166	3447261	27.180	ng/u1	0.01
49) Acenaphthylene-d8	14.122	160	4121965	27.320	ng/u1	0.00
54) 4-Nitrophenol-d4	14.616	143	703521	33.371	ng/u1	0.01
60) Fluorene-d10	15.433	176	2949469	26.871	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.551	200	382018	36.799	ng/u1	0.00
73) Anthracene-d10	17.327	188	4738788	27.514	ng/u1	0.00
81) Pyrene-d10	19.686	212	5511341	27.889	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.809	264	6063258	29.836	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.352	88	191750	9.885	ng/uL	95
5) Pyridine	3.740	79	1503678	29.173	ng/u1	98
6) Benzaldehyde	6.951	77	143492m	4.564	ng/u1	
8) Phenol	6.998	94	1891497	30.495	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.228	93	1408983	28.717	ng/u1	100
12) 2-Chlorophenol	7.375	128	1513997	30.778	ng/u1	98
13) 2-Methylphenol	8.234	108	1337652	29.546	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.322	45	1442955	28.390	ng/u1	99
16) Acetophenone	8.616	105	2048912	26.501	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.604	70	960844	25.568	ng/u1	97
18) 4-Methylphenol	8.557	108	1469193	29.523	ng/u1	99
19) Hexachloroethane	8.881	117	571172	28.928	ng/u1	95
22) Nitrobenzene	8.992	77	1448671	28.467	ng/u1	96
23) Isophorone	9.516	82	2657710	25.714	ng/u1	100
25) 2-Nitrophenol	9.698	139	691213	38.399	ng/u1	99
26) 2,4-Dimethylphenol	9.757	107	1412293	28.358	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.992	93	1702506	26.249	ng/u1	100
29) 2,4-Dichlorophenol	10.228	162	1293690	29.933	ng/u1	99
30) Naphthalene	10.633	128	4364739	26.897	ng/u1	100
32) 4-Chloroaniline	10.733	127	866522	13.586	ng/u1	100
33) Hexachlorobutadiene	10.928	225	773550	26.996	ng/u1	98
34) Caprolactam	11.486	113	398349	25.233	ng/u1	99
35) 4-Chloro-3-methylphenol	11.851	107	1317036	29.900	ng/u1	99
36) 2-Methylnaphthalene	12.245	142	2874942	26.211	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.463	142	2878811	26.425	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.616	216	1474258	27.416	ng/ul	99
40) Hexachlorocyclopentadiene	12.604	237	640898	30.875	ng/ul	99
41) 2,4,6-Trichlorophenol	12.845	196	920154	32.872	ng/ul	99
42) 2,4,5-Trichlorophenol	12.922	196	1026149	32.963	ng/ul	99
43) 1,1'-Biphenyl	13.263	154	3679351	27.283	ng/ul	98
44) 2-Chloronaphthalene	13.298	162	2866596	27.288	ng/ul	99
45) 2-Nitroaniline	13.492	65	712735	34.300	ng/ul	97
47) Dimethylphthalate	13.886	163	3352599	26.312	ng/ul	100
48) 2,6-Dinitrotoluene	13.998	165	646296	33.019	ng/ul	92
50) Acenaphthylene	14.151	152	4381402	26.800	ng/ul	100
51) 3-Nitroaniline	14.322	138	688275	29.880	ng/ul	93
52) Acenaphthene	14.492	153	3090611	26.987	ng/ul	100
53) 2,4-Dinitrophenol	14.527	184	226606	36.583	ng/ul	96
55) 4-Nitrophenol	14.627	109	529688	32.370	ng/ul	96
56) Dibenzofuran	14.833	168	4200559	26.946	ng/ul	99
57) 2,4-Dinitrotoluene	14.780	165	969264	32.774	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.057	232	811497	33.344	ng/ul	97
59) Diethylphthalate	15.274	149	3361870	26.762	ng/ul	99
61) Fluorene	15.492	166	3545013	27.084	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.492	204	1725937	26.985	ng/ul	99
63) 4-Nitroaniline	15.504	138	886540	36.637	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.563	198	447848	36.249	ng/ul	99
67) N-Nitrosodiphenylamine	15.704	169	2892601	27.076	ng/ul	99
68) 4-Bromophenyl-phenylether	16.398	248	1027617	27.019	ng/ul	100
69) Hexachlorobenzene	16.521	284	1230201	26.381	ng/ul	97
70) Atrazine	16.674	200	985605	26.575	ng/ul	99
71) Pentachlorophenol	16.868	266	750872	33.024	ng/ul	98
72) Phenanthrene	17.268	178	5423938	27.114	ng/ul	99
74) Anthracene	17.363	178	5444941	27.128	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.222	216	1406284	26.932	ng/ul	99
76) Pentachlorobenzene	14.751	250	1402500	25.355	ng/ul	100
77) Carbazole	17.627	167	5214483	31.281	ng/ul	100
78) Di-n-butylphthalate	18.239	149	5688591	29.383	ng/ul	99
80) Fluoranthene	19.339	202	6296092	27.853	ng/ul	100
82) Pyrene	19.715	202	6794975	27.589	ng/ul	100
83) Butylbenzylphthalate	20.674	149	2533435	39.154	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.562	252	1877210	31.021	ng/ul	100
85) Benzo(a)anthracene	21.639	228	7003745	27.616	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.592	149	3842083	34.806	ng/ul	99
87) Chrysene	21.709	228	6504907	27.545	ng/ul	100
89) Di-n-octyl phthalate	22.892	149	5930819	37.680	ng/ul	100
90) Benzo(b)fluoranthene	23.974	252	6879077	29.280	ng/ul	99
91) Benzo(k)fluoranthene	24.050	252	7307740	28.384	ng/ul	100
93) Benzo(a)pyrene	24.880	252	6645965	28.754	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.891	276	8609448m	31.307	ng/ul	
95) Dibenzo(a,h)anthracene	28.985	278	6979482	31.316	ng/ul	98
96) Benzo(g,h,i)perylene	30.079	276	6653484m	30.841	ng/ul	

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

