

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020525\
 Data File : BP023949.D
 Acq On : 05 Feb 2025 23:49
 Operator : RC/JU
 Sample : Q1226-18MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCZN8MS

Manual Integrations
 APPROVED

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

Quant Time: Feb 06 07:50:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	415084	20.000	ng/u1	0.00
20) Naphthalene-d8	10.546	136	1792693	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.387	164	1101741	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.175	188	2129146	20.000	ng/u1	-0.01
79) Chrysene-d12	21.610	240	2284714	20.000	ng/u1	-0.03
88) Perylene-d12	24.969	264	2160884	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	45989	4.603	ng/uL	0.00
4) Pyridine-d5	3.705	84	252793	8.769	ng/u1	0.00
7) Phenol-d5	6.952	99	301847	8.217	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.105	67	626888	32.241	ng/u1	0.00
11) 2-Chlorophenol-d4	7.311	132	816945	28.321	ng/u1	0.00
15) 4-Methylphenol-d8	8.475	113	569263	18.971	ng/u1	0.00
21) Nitrobenzene-d5	8.911	128	451224	31.460	ng/u1	0.00
24) 2-Nitrophenol-d4	9.628	143	474698	30.673	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.169	165	894693	31.513	ng/u1	0.00
31) 4-Chloroaniline-d4	10.675	131	1074527	25.307	ng/u1	0.00
46) Dimethylphthalate-d6	13.793	166	2747097	33.428	ng/u1	0.00
49) Acenaphthylene-d8	14.075	160	3108918	33.542	ng/u1	0.00
54) 4-Nitrophenol-d4	14.598	143	150055	9.194	ng/u1	-0.01
60) Fluorene-d10	15.393	176	2409592	34.818	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.510	200	467000	35.553	ng/u1	0.00
73) Anthracene-d10	17.281	188	3830542	36.642	ng/u1	0.00
81) Pyrene-d10	19.645	212	4381650	35.792	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.739	264	4278212	37.946	ng/u1	-0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.329	88	59604	5.673	ng/uL	99
5) Pyridine	3.723	79	271216	9.397	ng/u1	96
6) Benzaldehyde	6.917	77	440252	24.419	ng/u1	98
8) Phenol	6.975	94	336471	8.920	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.193	93	891670	31.055	ng/u1	98
12) 2-Chlorophenol	7.340	128	849529	28.586	ng/u1	97
13) 2-Methylphenol	8.211	108	646107	22.766	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.281	45	922294	31.135	ng/u1	99
16) Acetophenone	8.581	105	1479546	32.253	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.564	70	692890	32.076	ng/u1	96
18) 4-Methylphenol	8.534	108	633975	20.134	ng/u1	98
19) Hexachloroethane	8.840	117	283385	24.116	ng/u1	93
22) Nitrobenzene	8.952	77	1050873	33.762	ng/u1	96
23) Isophorone	9.481	82	1962418	31.226	ng/u1	98
25) 2-Nitrophenol	9.663	139	526274	31.177	ng/u1	97
26) 2,4-Dimethylphenol	9.728	107	846431	27.091	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.958	93	1229640	31.411	ng/u1	100
29) 2,4-Dichlorophenol	10.199	162	943189	32.760	ng/u1	97
30) Naphthalene	10.593	128	2930110	30.535	ng/u1	100
32) 4-Chloroaniline	10.699	127	760581	18.981	ng/u1	99
33) Hexachlorobutadiene	10.881	225	464063	26.625	ng/u1	99
34) Caprolactam	11.481	113	44309m	3.972	ng/u1	
35) 4-Chloro-3-methylphenol	11.828	107	949113	30.667	ng/u1	97
36) 2-Methylnaphthalene	12.199	142	2066144	30.623	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.422	142	2132025	31.853	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.569	216	1063889	32.664	ng/ul	99
40) Hexachlorocyclopentadiene	12.552	237	350473	19.096	ng/ul	99
41) 2,4,6-Trichlorophenol	12.810	196	743094	34.155	ng/ul	99
42) 2,4,5-Trichlorophenol	12.887	196	845338	36.048	ng/ul	100
43) 1,1'-Biphenyl	13.210	154	2771971	33.895	ng/ul	99
44) 2-Chloronaphthalene	13.257	162	2156242	33.838	ng/ul	99
45) 2-Nitroaniline	13.457	65	619513	37.354	ng/ul	93
47) Dimethylphthalate	13.840	163	2726369	33.343	ng/ul	99
48) 2,6-Dinitrotoluene	13.957	165	560754	35.092	ng/ul	97
50) Acenaphthylene	14.104	152	3375927	34.202	ng/ul	99
51) 3-Nitroaniline	14.287	138	590851	33.645	ng/ul	95
52) Acenaphthene	14.451	153	2409869	34.435	ng/ul	99
53) 2,4-Dinitrophenol	14.493	184	279901	29.382	ng/ul	96
55) 4-Nitrophenol	14.610	109	125956	10.909	ng/ul	92
56) Dibenzofuran	14.793	168	3311485	34.149	ng/ul	98
57) 2,4-Dinitrotoluene	14.751	165	822694	34.614	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.022	232	751512	37.661	ng/ul	92
59) Diethylphthalate	15.216	149	2760288	33.695	ng/ul	100
61) Fluorene	15.445	166	2906095	36.125	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.445	204	1386225	34.810	ng/ul	98
63) 4-Nitroaniline	15.469	138	713712	41.772	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.522	198	570482	39.504	ng/ul#	97
67) N-Nitrosodiphenylamine	15.657	169	2350629	36.174	ng/ul	99
68) 4-Bromophenyl-phenylether	16.351	248	822310	34.232	ng/ul	98
69) Hexachlorobenzene	16.475	284	995023	34.187	ng/ul	97
70) Atrazine	16.634	200	701488	27.877	ng/ul	99
71) Pentachlorophenol	16.822	266	975993	54.517	ng/ul	100
72) Phenanthrene	17.216	178	4406291	36.646	ng/ul	100
74) Anthracene	17.316	178	4512476	37.214	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.175	216	1038868	33.320	ng/ul	99
76) Pentachlorobenzene	14.710	250	1119609	33.323	ng/ul	99
77) Carbazole	17.587	167	4163708	39.195	ng/ul	99
78) Di-n-butylphthalate	18.181	149	4596716	34.961	ng/ul	100
80) Fluoranthene	19.298	202	5011820	35.542	ng/ul	99
82) Pyrene	19.675	202	5558894	37.698	ng/ul	100
83) Butylbenzylphthalate	20.622	149	2099882	33.068	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.510	252	1081926	21.888	ng/ul	100
85) Benzo(a)anthracene	21.592	228	5360947	35.683	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.533	149	3005717	32.441	ng/ul	99
87) Chrysene	21.657	228	4990360	36.049	ng/ul	98
89) Di-n-octyl phthalate	22.822	149	4757356	36.727	ng/ul	100
90) Benzo(b)fluoranthene	23.904	252	5078064	38.729	ng/ul	99
91) Benzo(k)fluoranthene	23.980	252	5044011	38.373	ng/ul	99
93) Benzo(a)pyrene	24.804	252	4717156	38.524	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.786	276	5777743	36.403	ng/ul	99
95) Dibenzo(a,h)anthracene	28.857	278	4822509	37.457	ng/ul	99
96) Benzo(g,h,i)perylene	29.962	276	4404351	36.229	ng/ul	99

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

