

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012225\
 Data File : BP023702.D
 Acq On : 22 Jan 2025 14:10
 Operator : RC/JU
 Sample : SSTD01074
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD010610

Quant Time: Jan 22 23:48:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 23:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2025
 Supervised By :mohammad ahmed 01/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	542723	20.000	ng/u1	0.00
20) Naphthalene-d8	10.575	136	2241394	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.416	164	1394417	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	2754747	20.000	ng/u1	0.00
79) Chrysene-d12	21.669	240	2930019	20.000	ng/u1	0.02
88) Perylene-d12	25.051	264	2982989	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	53116	3.942	ng/uL	0.00
4) Pyridine-d5	3.711	84	357347	9.190	ng/u1	0.00
7) Phenol-d5	6.952	99	395042	8.602	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.122	67	248685	9.587	ng/u1	0.00
11) 2-Chlorophenol-d4	7.328	132	314354	9.004	ng/u1	0.00
15) 4-Methylphenol-d8	8.481	113	309341	8.566	ng/u1	0.00
21) Nitrobenzene-d5	8.934	128	152675	9.041	ng/u1	0.00
24) 2-Nitrophenol-d4	9.652	143	124952	8.071	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.187	165	288951	8.879	ng/u1	0.00
31) 4-Chloroaniline-d4	10.693	131	470208	9.035	ng/u1	0.00
46) Dimethylphthalate-d6	13.822	166	948758	9.461	ng/u1	0.00
49) Acenaphthylene-d8	14.104	160	1091785	9.407	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	155589	7.722	ng/u1	-0.01
60) Fluorene-d10	15.422	176	816068	9.507	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.528	200	83169	6.131	ng/u1	0.00
73) Anthracene-d10	17.316	188	1246904	9.428	ng/u1	0.00
81) Pyrene-d10	19.692	212	1401361	9.399	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.821	264	1340389	8.977	ng/u1	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	56236	3.945	ng/uL	99
5) Pyridine	3.728	79	369708	9.405	ng/u1	97
6) Benzaldehyde	6.940	77	275754m	11.923	ng/u1	
8) Phenol	6.981	94	432353	8.997	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.216	93	353213	9.449	ng/u1	99
12) 2-Chlorophenol	7.358	128	344812	9.317	ng/u1	99
13) 2-Methylphenol	8.222	108	298806	8.569	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.310	45	378057	9.750	ng/u1	99
16) Acetophenone	8.605	105	546740	9.427	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.587	70	247853	9.238	ng/u1	99
18) 4-Methylphenol	8.540	108	345135	8.902	ng/u1	98
19) Hexachloroethane	8.869	117	143722	9.502	ng/u1	98
22) Nitrobenzene	8.975	77	366953	9.300	ng/u1	100
23) Isophorone	9.499	82	682394	9.093	ng/u1	99
25) 2-Nitrophenol	9.681	139	152862	8.410	ng/u1	99
26) 2,4-Dimethylphenol	9.740	107	344979	9.157	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.975	93	462232	9.506	ng/u1	100
29) 2,4-Dichlorophenol	10.216	162	306239	9.103	ng/u1	97
30) Naphthalene	10.622	128	1160935	9.625	ng/u1	99
32) 4-Chloroaniline	10.716	127	457316	9.204	ng/u1	100
33) Hexachlorobutadiene	10.916	225	200663	9.475	ng/u1	98
34) Caprolactam	11.475	113	96720	7.943	ng/u1	94
35) 4-Chloro-3-methylphenol	11.840	107	306291	8.788	ng/u1	98
36) 2-Methylnaphthalene	12.228	142	761846	9.353	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.445	142	764050	9.384	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.598	216	393681	9.505	ng/ul	98
40) Hexachlorocyclopentadiene	12.587	237	173954	8.243	ng/ul	100
41) 2,4,6-Trichlorophenol	12.834	196	211763	8.696	ng/ul	99
42) 2,4,5-Trichlorophenol	12.904	196	241221	8.969	ng/ul	99
43) 1,1'-Biphenyl	13.245	154	1010478	9.631	ng/ul	99
44) 2-Chloronaphthalene	13.281	162	791764	9.693	ng/ul	99
45) 2-Nitroaniline	13.481	65	168968	8.710	ng/ul	99
47) Dimethylphthalate	13.869	163	954681	9.483	ng/ul	100
48) 2,6-Dinitrotoluene	13.981	165	150273	8.369	ng/ul	95
50) Acenaphthylene	14.140	152	1205316	9.578	ng/ul	99
51) 3-Nitroaniline	14.304	138	179905	8.585	ng/ul#	91
52) Acenaphthene	14.487	153	848051	9.531	ng/ul	100
53) 2,4-Dinitrophenol	14.516	184	49333	5.596	ng/ul	96
55) 4-Nitrophenol	14.610	109	128953	8.721	ng/ul	97
56) Dibenzofuran	14.822	168	1173468	9.589	ng/ul	100
57) 2,4-Dinitrotoluene	14.769	165	226034	8.414	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.045	232	189748	8.590	ng/ul	95
59) Diethylphthalate	15.251	149	925538	9.347	ng/ul	99
61) Fluorene	15.481	166	978148	9.591	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.481	204	476561	9.547	ng/ul	99
63) 4-Nitroaniline	15.481	138	198085	9.290	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.545	198	98115	6.431	ng/ul	97
67) N-Nitrosodiphenylamine	15.692	169	784671	9.484	ng/ul	100
68) 4-Bromophenyl-phenylether	16.386	248	271826	9.216	ng/ul	98
69) Hexachlorobenzene	16.498	284	338094	9.420	ng/ul	97
70) Atrazine	16.663	200	262118	8.589	ng/ul	99
71) Pentachlorophenol	16.851	266	158948	7.332	ng/ul	97
72) Phenanthrene	17.257	178	1503138	9.658	ng/ul	99
74) Anthracene	17.357	178	1513991	9.793	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.204	216	382168	9.562	ng/ul	97
76) Pentachlorobenzene	14.740	250	403949	9.515	ng/ul	99
77) Carbazole	17.628	167	1348975	9.940	ng/ul	100
78) Di-n-butylphthalate	18.228	149	1427394	9.238	ng/ul	99
80) Fluoranthene	19.345	202	1655716	9.767	ng/ul	99
82) Pyrene	19.722	202	1822099	9.896	ng/ul	99
83) Butylbenzylphthalate	20.680	149	553487	8.335	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.563	252	410862	7.946	ng/ul	99
85) Benzo(a)anthracene	21.651	228	1794894	9.663	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.610	149	830592	8.388	ng/ul	100
87) Chrysene	21.716	228	1708227	9.823	ng/ul	99
89) Di-n-octyl phthalate	22.916	149	1125903	7.534	ng/ul	100
90) Benzo(b)fluoranthene	23.980	252	1599052	9.024	ng/ul	99
91) Benzo(k)fluoranthene	24.057	252	1695769	9.283	ng/ul	98
93) Benzo(a)pyrene	24.892	252	1516105	9.090	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.903	276	1868867m	9.030	ng/ul	
95) Dibenzo(a,h)anthracene	28.986	278	1527746m	9.093	ng/ul	
96) Benzo(g,h,i)perylene	30.045	276	1456614m	9.136	ng/ul	

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

