

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
 Data File : BP013020.D  
 Acq On : 09 Dec 2022 16:14  
 Operator : CG/JU  
 Sample : N5896-22MSD  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBXN8MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2022  
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 21:55:38 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 00:35:07 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	671031	20.000	ng/ul	0.00	
20) Naphthalene-d8	10.787	136	2873431	20.000	ng/ul	0.00	
38) Acenaphthene-d10	14.616	164	1839030	20.000	ng/ul	0.00	
64) Phenanthrene-d10	17.375	188	3966795	20.000	ng/ul	0.00	
79) Chrysene-d12	21.463	240	2794799	20.000	ng/ul	0.00	
88) Perylene-d12	23.957	264	2796999	20.000	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.352	96	66500	4.237	ng/uL	0.00	
4) Pyridine-d5	3.781	84	900111	20.190	ng/ul	0.00	
7) Phenol-d5	7.128	99	1547404	28.311	ng/ul	0.00	
9) Bis-(2-Chloroethyl)eth...	7.299	67	869357	26.367	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.504	132	1237486	28.761	ng/ul	0.00	
15) 4-Methylphenol-d8	8.687	113	1262728	28.196	ng/ul	0.00	
21) Nitrobenzene-d5	9.146	128	631276	29.901	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.869	143	735817	30.958	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.404	165	1421675	30.795	ng/ul	0.00	
31) 4-Chloroaniline-d4	10.922	131	1550544	23.791	ng/ul	0.00	
46) Dimethylphthalate-d6	14.022	166	4060726	28.731	ng/ul	0.00	
49) Acenaphthylene-d8	14.310	160	4545247	29.266	ng/ul	0.00	
54) 4-Nitrophenol-d4	14.810	143	704072	27.693	ng/ul	0.00	
60) Fluorene-d10	15.610	176	3490146	29.189	ng/ul	0.00	
65) 4,6-Dinitro-2-methylph...	15.728	200	717825	28.120	ng/ul	0.00	
73) Anthracene-d10	17.475	188	5367175	29.991	ng/ul	0.00	
81) Pyrene-d10	19.704	212	5814193	36.243	ng/ul	0.00	
92) Benzo(a)pyrene-d12	23.792	264	4266235	30.601	ng/ul	0.00	
Target Compounds							
2) 1,4-Dioxane	3.387	88	182615	11.146	ng/uL	99	Qvalue
5) Pyridine	3.799	79	1135933	25.637	ng/ul	98	
6) Benzaldehyde	7.110	77	933171	43.602	ng/ul	98	
8) Phenol	7.157	94	1960370	35.473	ng/ul	100	
10) Bis(2-Chloroethyl)ether	7.393	93	1478723	32.601	ng/ul	99	
12) 2-Chlorophenol	7.534	128	1553967	35.219	ng/ul	99	
13) 2-Methylphenol	8.416	108	1535487	35.639	ng/ul	98	
14) 2,2'-oxybis(1-Chloropr...	8.510	45	2076883	33.368	ng/ul	99	
16) Acetophenone	8.804	105	2321530	33.808	ng/ul	99	
17) N-Nitroso-di-n-propyla...	8.793	70	1128036	32.667	ng/ul	99	
18) 4-Methylphenol	8.751	108	1682068	35.248	ng/ul	100	
19) Hexachloroethane	9.063	117	594578	33.721	ng/ul	99	
22) Nitrobenzene	9.187	77	1692723	34.168	ng/ul	98	
23) Isophorone	9.716	82	3351238	33.455	ng/ul	100	
25) 2-Nitrophenol	9.898	139	940687	36.527	ng/ul	99	
26) 2,4-Dimethylphenol	9.957	107	1772172	35.269	ng/ul	98	
27) Bis(2-Chloroethoxy)met...	10.193	93	2054410	32.074	ng/ul	99	
29) 2,4-Dichlorophenol	10.434	162	1658726	36.679	ng/ul	99	
30) Naphthalene	10.840	128	6087573	40.509	ng/ul	99	
32) 4-Chloroaniline	10.951	127	1675593	25.980	ng/ul	100	
33) Hexachlorobutadiene	11.122	225	1077393	34.698	ng/ul	99	
34) Caprolactam	11.745	113	534760	34.680	ng/ul	95	
35) 4-Chloro-3-methylphenol	12.069	107	1699139	36.817	ng/ul	97	
36) 2-Methylnaphthalene	12.445	142	4135460	40.113	ng/ul	99	

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37) 1-Methylnaphthalene	12.663	142	3636374	34.298	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.810	216	2127763	35.932	ng/ul	100
40) Hexachlorocyclopentadiene	12.787	237	694666	18.027	ng/ul	98
41) 2,4,6-Trichlorophenol	13.045	196	1426059	37.472	ng/ul	99
42) 2,4,5-Trichlorophenol	13.122	196	1534651	37.541	ng/ul	100
43) 1,1'-Biphenyl	13.451	154	4863875	35.215	ng/ul	99
44) 2-Chloronaphthalene	13.492	162	3763478	34.621	ng/ul	99
45) 2-Nitroaniline	13.698	65	1070061	40.601	ng/ul	94
47) Dimethylphthalate	14.069	163	4829083	34.472	ng/ul	100
48) 2,6-Dinitrotoluene	14.192	165	1041487	40.005	ng/ul	95
50) Acenaphthylene	14.339	152	6387093	38.253	ng/ul	100
51) 3-Nitroaniline	14.522	138	1033646	42.048	ng/ul	94
52) Acenaphthene	14.681	153	4600850	39.764	ng/ul	100
53) 2,4-Dinitrophenol	14.722	184	612758	34.434	ng/ul	98
55) 4-Nitrophenol	14.828	109	614822	35.442	ng/ul	99
56) Dibenzofuran	15.016	168	7145452	43.436	ng/ul	99
57) 2,4-Dinitrotoluene	14.981	165	1488869	39.372	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.239	232	1347059	36.109	ng/ul	96
59) Diethylphthalate	15.433	149	4823765	35.423	ng/ul	99
61) Fluorene	15.669	166	6735723	51.054	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.657	204	2355029	33.754	ng/ul	98
63) 4-Nitroaniline	15.686	138	1089880	50.385	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.745	198	900122	36.083	ng/ul	98
67) N-Nitrosodiphenylamine	15.869	169	4067314	36.984	ng/ul	99
68) 4-Bromophenyl-phenylether	16.551	248	1636293	37.984	ng/ul	100
69) Hexachlorobenzene	16.675	284	1901993	37.184	ng/ul	97
70) Atrazine	16.828	200	1059061	24.712	ng/ul	99
71) Pentachlorophenol	17.016	266	1129404	36.459	ng/ul	99
72) Phenanthrene	17.416	178	14601209	70.669	ng/ul#	92
74) Anthracene	17.504	178	23072965m	111.840	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.416	216	2130863	37.651	ng/uL	100
76) Pentachlorobenzene	14.934	250	2098082	36.361	ng/uL	99
77) Carbazole	17.775	167	14441393	83.120	ng/ul	98
78) Di-n-butylphthalate	18.316	149	8433784	39.868	ng/ul	99
80) Fluoranthene	19.374	202	15444948	84.827	ng/ul#	92
82) Pyrene	19.727	202	14842730	79.027	ng/ul	95
83) Butylbenzylphthalate	20.592	149	3524316	48.572	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.368	252	1907898	30.218	ng/ul	99
85) Benzo(a)anthracene	21.445	228	11401738	61.454	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.351	149	5097721	49.806	ng/ul	98
87) Chrysene	21.504	228	14109545	80.417	ng/ul	96
89) Di-n-octyl phthalate	22.304	149	7826862	49.949	ng/ul	100
90) Benzo(b)fluoranthene	23.198	252	20184904	113.171	ng/ul	98
91) Benzo(k)fluoranthene	23.245	252	9989320	56.481	ng/ul	97
93) Benzo(a)pyrene	23.851	252	11634576	74.917	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.574	276	10850305	56.090	ng/ul	99
95) Dibenzo(a,h)anthracene	26.586	278	7098990	44.323	ng/ul	99
96) Benzo(g,h,i)perylene	27.380	276	8455314	54.445	ng/ul	100

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

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