

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP011995.D
 Acq On : 07 Oct 2022 06:02
 Operator : CG/JU
 Sample : N4923-21MSD
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10007MSD

Quant Time: Oct 07 06:26:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	282548	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	734264	20.000	ng/ul	0.06
38) Acenaphthene-d10	14.539	164	738824	20.000	ng/ul	0.02
64) Phenanthrene-d10	17.298	188	1386607m	20.000	ng/ul	0.02
79) Chrysene-d12	21.386	240	1405716	20.000	ng/ul	0.02
88) Perylene-d12	23.815	264	1559466	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	29332	4.578	ng/uL	0.00
4) Pyridine-d5	3.728	84	44995	2.398	ng/ul	0.01
7) Phenol-d5	7.110	99	60159m	2.466	ng/ul	0.07
9) Bis-(2-Chloroethyl)eth...	7.252	67	211117	15.615	ng/ul	0.05
11) 2-Chlorophenol-d4	7.434	132	387876	20.144	ng/ul	0.03
15) 4-Methylphenol-d8	8.675	113	121315m	6.016	ng/ul	0.09
21) Nitrobenzene-d5	9.110	128	332753	59.497	ng/ul	0.07
24) 2-Nitrophenol-d4	9.810	143	347910	58.143	ng/ul	0.05
28) 2,4-Dichlorophenol-d3	10.404	165	481190	43.477	ng/ul	0.10
31) 4-Chloroaniline-d4	10.898	131	918525	54.437	ng/ul	0.08
46) Dimethylphthalate-d6	13.975	166	1783257	33.752	ng/ul	0.04
49) Acenaphthylene-d8	14.234	160	2010645	33.382	ng/ul	0.02
54) 4-Nitrophenol-d4	14.769	143	299861	27.408	ng/ul	0.05
60) Fluorene-d10	15.533	176	1800717	39.246	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.704	200	172589	20.564	ng/ul	0.07
73) Anthracene-d10	17.398	188	2361730	37.391	ng/ul	0.02
81) Pyrene-d10	19.627	212	2399069	33.699	ng/ul	0.02
92) Benzo(a)pyrene-d12	23.662	264	2944257	37.715	ng/ul	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	33393	4.826	ng/uL	95
5) Pyridine	3.752	79	2045515	112.308	ng/ul	93
6) Benzaldehyde	6.993	77	2219027m	207.674	ng/ul	
8) Phenol	7.216	94	32845340m	1298.253	ng/ul	
10) Bis(2-Chloroethyl)ether	7.346	93	520686	25.865	ng/ul	95
12) 2-Chlorophenol	7.475	128	433116	21.040	ng/ul	99
13) 2-Methylphenol	8.399	108	18222697	914.219	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.469	45	152779m	7.698	ng/ul	
16) Acetophenone	8.940	105	2231777m	72.595	ng/ul	
17) N-Nitroso-di-n-propyla...	8.922	70	323133m	22.332	ng/ul	
18) 4-Methylphenol	8.881	108	43566561m	1983.748	ng/ul	
19) Hexachloroethane	8.969	117	182757	23.803	ng/ul	93
22) Nitrobenzene	9.151	77	1255961m	104.417	ng/ul	
23) Isophorone	9.687	82	2428	0.100	ng/ul#	1
25) 2-Nitrophenol	9.840	139	356620	52.183	ng/ul	99
26) 2,4-Dimethylphenol	10.010	107	28201874m	2196.712	ng/ul	
27) Bis(2-Chloroethoxy)met...	10.181	93	795226	50.515	ng/ul#	96
29) 2,4-Dichlorophenol	10.434	162	403592	35.193	ng/ul	96
30) Naphthalene	10.798	128	55518426m	1407.734	ng/ul	
32) 4-Chloroaniline	10.916	127	414853	24.033	ng/ul	97
33) Hexachlorobutadiene	11.034	225	383228	56.457	ng/ul	96
34) Caprolactam	11.716	113	1916	0.472	ng/ul#	38
35) 4-Chloro-3-methylphenol	12.069	107	642154	52.811	ng/ul	85
36) 2-Methylnaphthalene	12.392	142	13490534	489.819	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	10856159m	392.825	ng/ul	
39) 1,2,4,5-Tetrachloroben...	12.740	216	773726	36.111	ng/ul	99
40) Hexachlorocyclopentadiene	12.704	237	1427	0.117	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.004	196	490033m	34.166	ng/ul	
42) 2,4,5-Trichlorophenol	13.087	196	525909m	33.662	ng/ul	
43) 1,1'-Biphenyl	13.375	154	4543762	83.147	ng/ul	97
44) 2-Chloronaphthalene	13.416	162	1276822	29.553	ng/ul	99
45) 2-Nitroaniline	13.639	65	359224	34.061	ng/ul	97
47) Dimethylphthalate	14.022	163	1890634	34.146	ng/ul	100
48) 2,6-Dinitrotoluene	14.134	165	399998	37.068	ng/ul#	86
50) Acenaphthylene	14.275	152	10614218	158.674	ng/ul	97
51) 3-Nitroaniline	14.469	138	398563	31.866	ng/ul#	94
52) Acenaphthene	14.604	153	4290410	90.908	ng/ul	98
53) 2,4-Dinitrophenol	14.739	184	104540m	14.289	ng/ul	
55) 4-Nitrophenol	14.810	109	49681m	6.727	ng/ul	
56) Dibenzofuran	14.951	168	8837452	136.715	ng/ul	95
57) 2,4-Dinitrotoluene	14.939	165	438726m	27.815	ng/ul	
58) 2,3,4,6-Tetrachlorophenol	15.181	232	465884	34.326	ng/ul#	92
59) Diethylphthalate	15.381	149	1893651	34.137	ng/ul	99
61) Fluorene	15.598	166	7158397	135.207	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.581	204	796936	30.406	ng/ul	99
63) 4-Nitroaniline	15.651	138	400058	33.519	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.722	198	162894	18.321	ng/ul#	1
67) N-Nitrosodiphenylamine	15.804	169	1440819	35.224	ng/ul	96
68) 4-Bromophenyl-phenylether	16.475	248	552296m	39.158	ng/ul	
69) Hexachlorobenzene	16.598	284	612181	38.142	ng/ul	96
70) Atrazine	16.798	200	46581m	3.156	ng/ul	
71) Pentachlorophenol	16.963	266	382220	36.208	ng/ul	98
72) Phenanthrene	17.351	178	16603431m	217.885	ng/ul	
74) Anthracene	17.439	178	11116276	144.986	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.339	216	830958	43.417	ng/ul	98
76) Pentachlorobenzene	14.857	250	506752	24.779	ng/ul	98
77) Carbazole	17.716	167	9538329	137.690	ng/ul	96
78) Di-n-butylphthalate	18.257	149	2809794m	33.121	ng/ul	
80) Fluoranthene	19.316	202	11731611m	134.653	ng/ul	
82) Pyrene	19.663	202	9905770	109.200	ng/ul#	86
83) Butylbenzylphthalate	20.527	149	1438439	36.690	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.304	252	529457	16.361	ng/ul#	96
85) Benzo(a)anthracene	21.368	228	7810172	84.961	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.280	149	2099768	35.556	ng/ul#	97
87) Chrysene	21.421	228	6657657	77.173	ng/ul	96
89) Di-n-octyl phthalate	22.210	149	3676996	36.957	ng/ul	100
90) Benzo(b)fluoranthene	23.080	252	8124116	81.620	ng/ul	98
91) Benzo(k)fluoranthene	23.121	252	5193087	54.179	ng/ul	98
93) Benzo(a)pyrene	23.715	252	7135160	80.326	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.362	276	6049267	53.504	ng/ul	98
95) Dibenzo(a,h)anthracene	26.374	278	4032046	40.145	ng/ul	97
96) Benzo(g,h,i)perylene	27.139	276	5231189	52.189	ng/ul	97

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

