

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101023\
 Data File : BP017629.D
 Acq On : 10 Oct 2023 09:53
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020774

Quant Time: Oct 10 23:51:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:41 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	125614	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	511074	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.634	164	353899	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.422	188	842365	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	920329	20.000	ng/u1	0.01
88) Perylene-d12	24.145	264	1027992	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	28978	9.359	ng/uL	0.00
4) Pyridine-d5	3.723	84	190650	21.874	ng/u1	0.00
7) Phenol-d5	7.093	99	226086	21.283	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.281	67	142930	21.695	ng/u1	0.01
11) 2-Chlorophenol-d4	7.458	132	185341	22.180	ng/u1	0.01
15) 4-Methylphenol-d8	8.658	113	181627	21.226	ng/u1	0.01
21) Nitrobenzene-d5	9.146	128	87915	22.324	ng/u1	0.01
24) 2-Nitrophenol-d4	9.863	143	97996	22.657	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.393	165	191697	22.820	ng/u1	0.01
31) 4-Chloroaniline-d4	10.946	131	260531	21.776	ng/u1	0.01
46) Dimethylphthalate-d6	14.051	166	626322	22.290	ng/u1	0.01
49) Acenaphthylene-d8	14.328	160	685806	22.417	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	84798	19.912	ng/u1	0.01
60) Fluorene-d10	15.640	176	550644	22.408	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.781	200	103879	20.790	ng/u1	0.01
73) Anthracene-d10	17.528	188	908744	22.479	ng/u1	0.01
81) Pyrene-d10	19.781	212	1141696	21.748	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.974	264	1184826	22.231	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.323	88	29000	8.806	ng/uL	98
5) Pyridine	3.740	79	193014	21.397	ng/u1	97
6) Benzaldehyde	7.099	77	130247	25.000	ng/u1	98
8) Phenol	7.116	94	224767	20.881	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.375	93	188885	21.822	ng/u1	98
12) 2-Chlorophenol	7.487	128	187204	21.941	ng/u1	99
13) 2-Methylphenol	8.387	108	169670	21.235	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.452	45	232056m	20.466	ng/u1	
16) Acetophenone	8.793	105	291730	21.706	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.763	70	148625	21.887	ng/u1	97
18) 4-Methylphenol	8.722	108	186432	21.377	ng/u1	98
19) Hexachloroethane	8.999	117	82035	21.829	ng/u1	92
22) Nitrobenzene	9.187	77	232187	22.362	ng/u1	98
23) Isophorone	9.705	82	400521	22.033	ng/u1	99
25) 2-Nitrophenol	9.899	139	105499	22.616	ng/u1	97
26) 2,4-Dimethylphenol	9.934	107	213241	22.376	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.193	93	249011	22.011	ng/u1	100
29) 2,4-Dichlorophenol	10.416	162	185667	22.367	ng/u1	98
30) Naphthalene	10.828	128	618501	21.741	ng/u1	99
32) 4-Chloroaniline	10.969	127	253387	21.784	ng/u1	100
33) Hexachlorobutadiene	11.046	225	142486	22.608	ng/u1	99
34) Caprolactam	11.799	113	50462	20.566	ng/u1	94
35) 4-Chloro-3-methylphenol	12.081	107	200762	23.123	ng/u1	93
36) 2-Methylnaphthalene	12.440	142	432438	22.271	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.663	142	448613	22.411	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.793	216	259225	21.365	ng/ul	98
40) Hexachlorocyclopentadiene	12.734	237	122427	20.023	ng/ul	100
41) 2,4,6-Trichlorophenol	13.057	196	160424	21.544	ng/ul	96
42) 2,4,5-Trichlorophenol	13.128	196	175402	22.342	ng/ul	98
43) 1,1'-Biphenyl	13.457	154	605355	21.784	ng/ul	98
44) 2-Chloronaphthalene	13.504	162	480321	21.507	ng/ul	96
45) 2-Nitroaniline	13.751	65	131385	22.452	ng/ul	96
47) Dimethylphthalate	14.098	163	621791	22.030	ng/ul	100
48) 2,6-Dinitrotoluene	14.246	165	116298	22.639	ng/ul	97
50) Acenaphthylene	14.363	152	780333	22.155	ng/ul	100
51) 3-Nitroaniline	14.593	138	105689	22.178	ng/ul#	93
52) Acenaphthene	14.698	153	526204	22.084	ng/ul	100
53) 2,4-Dinitrophenol	14.804	184	47559	14.790	ng/ul	96
55) 4-Nitrophenol	14.887	109	85632m	21.964	ng/ul	
56) Dibenzofuran	15.040	168	759324	22.214	ng/ul	97
57) 2,4-Dinitrotoluene	15.040	165	180707	23.297	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.257	232	163915	22.970	ng/ul	89
59) Diethylphthalate	15.457	149	637839	22.564	ng/ul	100
61) Fluorene	15.692	166	625968	22.314	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.687	204	328208	22.008	ng/ul	99
63) 4-Nitroaniline	15.769	138	104662	23.475	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.798	198	115618	21.688	ng/ul	94
67) N-Nitrosodiphenylamine	15.916	169	527347	22.209	ng/ul	98
68) 4-Bromophenyl-phenylether	16.598	248	209896	21.999	ng/ul	98
69) Hexachlorobenzene	16.675	284	251926	22.167	ng/ul	99
70) Atrazine	16.881	200	201519	21.805	ng/ul	98
71) Pentachlorophenol	17.051	266	140511	21.201	ng/ul	93
72) Phenanthrene	17.469	178	1049520	22.282	ng/ul	99
74) Anthracene	17.563	178	1069291	22.476	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.410	216	270405	21.349	ng/uL	97
76) Pentachlorobenzene	14.928	250	283228	21.935	ng/uL	100
77) Carbazole	17.851	167	943566	22.477	ng/ul	98
78) Di-n-butylphthalate	18.363	149	1101466	22.807	ng/ul	100
80) Fluoranthene	19.451	202	1319200	21.676	ng/ul	99
82) Pyrene	19.810	202	1388648	21.612	ng/ul	98
83) Butylbenzylphthalate	20.680	149	498526	21.955	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.486	252	415847	21.540	ng/ul	98
85) Benzo(a)anthracene	21.545	228	1468230	22.027	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.422	149	705088	22.051	ng/ul	98
87) Chrysene	21.604	228	1375741	22.085	ng/ul	100
89) Di-n-octyl phthalate	22.410	149	1252568	20.567	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	1478573	22.238	ng/ul	99
91) Benzo(k)fluoranthene	23.398	252	1464054	21.849	ng/ul	100
93) Benzo(a)pyrene	24.033	252	1383651	22.370	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.886	276	1620262	21.912	ng/ul	100
95) Dibenzo(a,h)anthracene	26.921	278	1333777	22.026	ng/ul	98
96) Benzo(g,h,i)perylene	27.751	276	1330585	22.081	ng/ul	98

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

