

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
 Data File : BM038641.D
 Acq On : 01 Feb 2023 05:36
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020095

Quant Time: Feb 01 06:21:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM013023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 31 01:02:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/01/2023
 Supervised By :mohammad ahmed 02/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	51311	20.000	ng/ul	0.00
20) Naphthalene-d8	10.757	136	157548	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.586	164	130503	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.327	188	297150	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.503	240	258540	20.000	ng/ul	0.00
88) Perylene-d12	23.903	264	350936	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	9409	6.538	ng/uL	0.00
4) Pyridine-d5	3.763	84	57561	15.973	ng/ul	0.00
7) Phenol-d5	7.116	99	58733	17.148	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	34433	17.224	ng/ul	0.00
11) 2-Chlorophenol-d4	7.481	132	53035	18.672	ng/ul	0.00
15) 4-Methylphenol-d8	8.663	113	47819	17.498	ng/ul	-0.01
21) Nitrobenzene-d5	9.122	128	24164	20.234	ng/ul	0.00
24) 2-Nitrophenol-d4	9.845	143	34627	21.956	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.380	165	82030	23.502	ng/ul	0.00
31) 4-Chloroaniline-d4	10.904	131	60632	17.875	ng/ul	-0.01
46) Dimethylphthalate-d6	13.998	166	206927	19.195	ng/ul	0.00
49) Acenaphthylene-d8	14.280	160	227097	19.796	ng/ul	0.00
54) 4-Nitrophenol-d4	14.798	143	22195	14.883	ng/ul	0.00
60) Fluorene-d10	15.574	176	191990	19.915	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.704	200	44135	17.351	ng/ul	0.00
73) Anthracene-d10	17.427	188	290003	19.389	ng/ul	0.00
81) Pyrene-d10	19.715	212	301168	22.607	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.750	264	364642	20.243	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.363	88	9868	6.364	ng/uL	96
5) Pyridine	3.781	79	59875	16.179	ng/ul	92
6) Benzaldehyde	7.092	77	27840	17.629	ng/ul	90
8) Phenol	7.145	94	59232	17.273	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.375	93	43434	17.727	ng/ul	86
12) 2-Chlorophenol	7.510	128	51708	18.142	ng/ul	94
13) 2-Methylphenol	8.398	108	44754	17.177	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.486	45	42975m	16.977	ng/ul	
16) Acetophenone	8.786	105	82828	17.156	ng/ul	87
17) N-Nitroso-di-n-propyla...	8.769	70	40346	18.184	ng/ul	90
18) 4-Methylphenol	8.733	108	47417	17.146	ng/ul	94
19) Hexachloroethane	9.028	117	24473	17.023	ng/ul#	63
22) Nitrobenzene	9.169	77	66021	18.368	ng/ul	99
23) Isophorone	9.692	82	105628	19.421	ng/ul#	95
25) 2-Nitrophenol	9.875	139	32799	20.981	ng/ul	94
26) 2,4-Dimethylphenol	9.933	107	64540	19.008	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.175	93	53258	19.204	ng/ul	96
29) 2,4-Dichlorophenol	10.410	162	75584	22.784	ng/ul#	92
30) Naphthalene	10.810	128	152530	19.513	ng/ul	97
32) 4-Chloroaniline	10.933	127	60115	17.662	ng/ul	99
33) Hexachlorobutadiene	11.080	225	68478	19.863	ng/ul	96
34) Caprolactam	11.722	113	11852m	18.159	ng/ul	
35) 4-Chloro-3-methylphenol	12.051	107	51488	19.648	ng/ul#	81
36) 2-Methylnaphthalene	12.416	142	124174	21.357	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.633	142	127056	21.170	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.780	216	115072	17.913	ng/ul	96
40) Hexachlorocyclopentadiene	12.751	237	80797	17.625	ng/ul#	94
41) 2,4,6-Trichlorophenol	13.021	196	77363	19.780	ng/ul	92
42) 2,4,5-Trichlorophenol	13.098	196	82894	19.846	ng/ul	95
43) 1,1'-Biphenyl	13.421	154	194681	19.401	ng/ul	99
44) 2-Chloronaphthalene	13.468	162	167960	20.148	ng/ul#	89
45) 2-Nitroaniline	13.680	65	35145	15.762	ng/ul	91
47) Dimethylphthalate	14.045	163	202466	19.087	ng/ul#	98
48) 2,6-Dinitrotoluene	14.174	165	41324	21.034	ng/ul#	75
50) Acenaphthylene	14.310	152	215034	18.744	ng/ul	97
51) 3-Nitroaniline	14.504	138	23139	16.363	ng/ul	94
52) Acenaphthene	14.651	153	156364	18.312	ng/ul	98
53) 2,4-Dinitrophenol	14.715	184	26444	16.744	ng/ul#	75
55) 4-Nitrophenol	14.815	109	32907	13.153	ng/ul#	91
56) Dibenzofuran	14.980	168	248684	19.581	ng/ul#	86
57) 2,4-Dinitrotoluene	14.957	165	56430	19.488	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	15.210	232	63700	17.418	ng/ul	94
59) Diethylphthalate	15.398	149	169048	16.999	ng/ul	93
61) Fluorene	15.633	166	204197	19.091	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.621	204	133204	17.699	ng/ul	91
63) 4-Nitroaniline	15.662	138	18389	15.773	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.721	198	41470	17.276	ng/ul#	86
67) N-Nitrosodiphenylamine	15.839	169	171616	20.485	ng/ul	97
68) 4-Bromophenyl-phenylether	16.515	248	77310	18.465	ng/ul	93
69) Hexachlorobenzene	16.627	284	93941	19.220	ng/ul#	91
70) Atrazine	16.792	200	72522	17.252	ng/ul	98
71) Pentachlorophenol	16.980	266	51730	16.546	ng/ul	96
72) Phenanthrene	17.368	178	306367	19.729	ng/ul	98
74) Anthracene	17.462	178	315829	19.422	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.386	216	110729	19.387	ng/uL	97
76) Pentachlorobenzene	14.898	250	114011	19.184	ng/uL	99
77) Carbazole	17.739	167	232587	16.478	ng/ul#	93
78) Di-n-butylphthalate	18.286	149	230612	16.887	ng/ul	98
80) Fluoranthene	19.380	202	358052	23.188	ng/ul#	97
82) Pyrene	19.744	202	372870	22.754	ng/ul#	97
83) Butylbenzylphthalate	20.633	149	93363	19.752	ng/ul#	87
84) 3,3'-Dichlorobenzidine	21.421	252	118848	18.712	ng/ul#	99
85) Benzo(a)anthracene	21.486	228	362248	19.779	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.397	149	127387	18.941	ng/ul	92
87) Chrysene	21.538	228	330586	19.501	ng/ul	99
89) Di-n-octyl phthalate	22.321	149	231353	15.566	ng/ul	100
90) Benzo(b)fluoranthene	23.174	252	444844m	20.503	ng/ul	
91) Benzo(k)fluoranthene	23.221	252	424905	19.647	ng/ul#	98
93) Benzo(a)pyrene	23.797	252	395281	19.673	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	26.409	276	614493	19.348	ng/ul	99
95) Dibenzo(a,h)anthracene	26.421	278	512135	19.000	ng/ul	99
96) Benzo(g,h,i)perylene	27.179	276	503058	19.515	ng/ul#	97

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

