

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040124\
 Data File : BM044875.D
 Acq On : 01 Apr 2024 21:44
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020087

Quant Time: Apr 01 23:10:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Mar 31 13:54:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/02/2024
 Supervised By :mohammad ahmed 04/02/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	90655	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.433	136	371356	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.304	164	224912	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.062	188	443851	20.000	ng/u1	0.00
79) Chrysene-d12	21.262	240	422722	20.000	ng/u1	0.00
88) Perylene-d12	23.491	264	502987	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	20406	7.635	ng/uL	0.00
4) Pyridine-d5	3.628	84	133378	16.954	ng/u1	0.00
7) Phenol-d5	6.840	99	169660	18.203	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	110324	19.163	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	131374	19.181	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	126520	17.285	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	64809	20.725	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.534	143	71037	21.073	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	121267	21.137	ng/u1	0.00
31) 4-Chloroaniline-d4	10.586	131	177831	18.663	ng/u1	0.00
46) Dimethylphthalate-d6	13.727	166	336188	19.055	ng/u1	0.00
49) Acenaphthylene-d8	13.992	160	392385	19.447	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.527	143	61441	16.793	ng/u1	0.00
60) Fluorene-d10	15.304	176	282317	19.042	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.439	200	53649	18.621	ng/u1	-0.01
73) Anthracene-d10	17.162	188	430845	20.308	ng/u1	0.00
81) Pyrene-d10	19.462	212	486429	18.762	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.350	264	516063	19.520	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.263	88	21390	7.730	ng/uL#	94
5) Pyridine	3.646	79	148120	18.153	ng/u1#	78
6) Benzaldehyde	6.822	77	98902	24.362	ng/u1	92
8) Phenol	6.863	94	170229	17.896	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.104	93	139324	17.837	ng/u1	93
12) 2-Chlorophenol	7.222	128	135106	19.124	ng/u1	98
13) 2-Methylphenol	8.098	108	127356	17.643	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.181	45	233367	22.624	ng/u1	95
16) Acetophenone	8.487	105	208931	18.404	ng/u1#	89
17) N-Nitroso-di-n-propyla...	8.469	70	109853	18.729	ng/u1#	82
18) 4-Methylphenol	8.428	108	136324	17.349	ng/u1	98
19) Hexachloroethane	8.710	117	61488	21.248	ng/u1	98
22) Nitrobenzene	8.863	77	166741	22.485	ng/u1	92
23) Isophorone	9.386	82	305840	20.214	ng/u1	98
25) 2-Nitrophenol	9.563	139	74859	20.369	ng/u1#	90
26) 2,4-Dimethylphenol	9.622	107	141919	21.223	ng/u1	93
27) Bis(2-Chloroethoxy)met...	9.869	93	183193	19.253	ng/u1	98
29) 2,4-Dichlorophenol	10.086	162	121319	21.181	ng/u1	99
30) Naphthalene	10.486	128	424877	20.201	ng/u1	99
32) 4-Chloroaniline	10.610	127	174180	18.961	ng/u1	98
33) Hexachlorobutadiene	10.751	225	75786	23.607	ng/u1	96
34) Caprolactam	11.404	113	37997m	17.034	ng/u1	
35) 4-Chloro-3-methylphenol	11.739	107	129640	19.517	ng/u1	98
36) 2-Methylnaphthalene	12.104	142	273809	19.577	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.327	142	271171	19.654	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	12.475	216	137586	21.502	ng/ul	97
40) Hexachlorocyclopentadiene	12.439	237	79547	18.728	ng/ul	97
41) 2,4,6-Trichlorophenol	12.727	196	89826	20.025	ng/ul	99
42) 2,4,5-Trichlorophenol	12.798	196	96160	20.003	ng/ul	99
43) 1,1'-Biphenyl	13.133	154	350817	19.643	ng/ul	98
44) 2-Chloronaphthalene	13.169	162	276201	19.707	ng/ul	100
45) 2-Nitroaniline	13.398	65	94849	21.557	ng/ul	93
47) Dimethylphthalate	13.774	163	339221	18.895	ng/ul	100
48) 2,6-Dinitrotoluene	13.904	165	68195	19.017	ng/ul	91
50) Acenaphthylene	14.021	152	468082	19.904	ng/ul	99
51) 3-Nitroaniline	14.233	138	71528	18.467	ng/ul	96
52) Acenaphthene	14.369	153	305021	19.730	ng/ul	99
53) 2,4-Dinitrophenol	14.445	184	34716m	15.135	ng/ul	
55) 4-Nitrophenol	14.545	109	54402	21.221	ng/ul#	81
56) Dibenzofuran	14.704	168	408897	19.883	ng/ul	97
57) 2,4-Dinitrotoluene	14.698	165	99403	19.203	ng/ul#	62
58) 2,3,4,6-Tetrachlorophenol	14.933	232	80460	20.225	ng/ul	97
59) Diethylphthalate	15.145	149	344196	18.473	ng/ul	99
61) Fluorene	15.357	166	337654	20.076	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.363	204	160611	20.575	ng/ul	98
63) 4-Nitroaniline	15.404	138	70526m	19.051	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.457	198	57245	18.593	ng/ul#	89
67) N-Nitrosodiphenylamine	15.580	169	269045	20.126	ng/ul	99
68) 4-Bromophenyl-phenylether	16.257	248	97033	21.857	ng/ul	94
69) Hexachlorobenzene	16.357	284	112484	22.245	ng/ul	95
70) Atrazine	16.545	200	90483	20.713	ng/ul	97
71) Pentachlorophenol	16.710	266	68266	20.445	ng/ul	98
72) Phenanthrene	17.104	178	510651	20.281	ng/ul	99
74) Anthracene	17.192	178	520217	20.429	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.086	216	131347	22.156	ng/uL	99
76) Pentachlorobenzene	14.621	250	131496	22.943	ng/uL	99
77) Carbazole	17.474	167	466765	19.507	ng/ul	100
78) Di-n-butylphthalate	18.045	149	597616	18.568	ng/ul	98
80) Fluoranthene	19.127	202	578221	18.727	ng/ul	96
82) Pyrene	19.492	202	606305	18.861	ng/ul	95
83) Butylbenzylphthalate	20.409	149	266958	16.889	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.186	252	188895	20.658	ng/ul	99
85) Benzo(a)anthracene	21.245	228	616862	19.432	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.192	149	419532	18.204	ng/ul#	96
87) Chrysene	21.297	228	557457	18.968	ng/ul	99
89) Di-n-octyl phthalate	22.074	149	706803	15.702	ng/ul	100
90) Benzo(b)fluoranthene	22.821	252	638171	18.961	ng/ul	99
91) Benzo(k)fluoranthene	22.868	252	602398	18.275	ng/ul	98
93) Benzo(a)pyrene	23.391	252	609320	19.353	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.738	276	762620	21.596	ng/ul	98
95) Dibenzo(a,h)anthracene	25.750	278	636418	21.614	ng/ul	97
96) Benzo(g,h,i)perylene	26.421	276	600006	21.292	ng/ul	97

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

