

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043362.D
 Acq On : 15 Dec 2023 17:47
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020164

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 22:47:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	281250	20.000	ng/u1	0.00
20) Naphthalene-d8	10.798	136	1284352	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	762703	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.362	188	1436547	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	964588	20.000	ng/u1	0.00
88) Perylene-d12	23.956	264	927388	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	72604	8.390	ng/uL	0.00
4) Pyridine-d5	3.804	84	540194	21.689	ng/u1	0.00
7) Phenol-d5	7.151	99	684077	21.381	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	443563	21.891	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	519039	21.247	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	538077	21.673	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	267670	21.541	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	277866	21.642	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	496946	21.925	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	749552	22.479	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	1472150	21.441	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	1754187	21.538	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	295634	22.750	ng/u1	0.00
60) Fluorene-d10	15.615	176	1217475	21.444	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	187387	19.723	ng/u1	0.00
73) Anthracene-d10	17.462	188	1732068	21.499	ng/u1	0.00
81) Pyrene-d10	19.750	212	1634847	21.468	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	1207890	21.106	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.422	88	81097	8.482	ng/uL	99
5) Pyridine	3.828	79	561702	21.808	ng/u1	99
6) Benzaldehyde	7.134	77	343032m	22.612	ng/u1	
8) Phenol	7.181	94	680505	21.619	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.422	93	564855	22.105	ng/u1	98
12) 2-Chlorophenol	7.551	128	529596	21.282	ng/u1	99
13) 2-Methylphenol	8.434	108	516298	21.602	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.522	45	953387	22.218	ng/u1	99
16) Acetophenone	8.828	105	846705	22.275	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.810	70	486344	21.437	ng/u1	99
18) 4-Methylphenol	8.769	108	565322	21.824	ng/u1	98
19) Hexachloroethane	9.069	117	225412	21.482	ng/u1	95
22) Nitrobenzene	9.210	77	673024	21.885	ng/u1	99
23) Isophorone	9.733	82	1339463	21.472	ng/u1	99
25) 2-Nitrophenol	9.916	139	299829	21.973	ng/u1	98
26) 2,4-Dimethylphenol	9.975	107	551897	22.704	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.222	93	800734	21.739	ng/u1	100
29) 2,4-Dichlorophenol	10.445	162	476855	21.679	ng/u1	98
30) Naphthalene	10.851	128	1783463	21.788	ng/u1	100
32) 4-Chloroaniline	10.969	127	729077	22.738	ng/u1	100
33) Hexachlorobutadiene	11.122	225	246267	21.959	ng/u1	99
34) Caprolactam	11.745	113	162980	23.187	ng/u1	99
35) 4-Chloro-3-methylphenol	12.080	107	566135	21.913	ng/u1	99
36) 2-Methylnaphthalene	12.457	142	1212389	21.759	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.674	142	1226850	21.830	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.816	216	493127	21.220	ng/ul	99
40) Hexachlorocyclopentadiene	12.786	237	289347	19.844	ng/ul	96
41) 2,4,6-Trichlorophenol	13.063	196	349344	21.149	ng/ul	100
42) 2,4,5-Trichlorophenol	13.127	196	377228	21.508	ng/ul	97
43) 1,1'-Biphenyl	13.463	154	1557178	21.418	ng/ul	100
44) 2-Chloronaphthalene	13.504	162	1184113	21.243	ng/ul	100
45) 2-Nitroaniline	13.716	65	404662	21.649	ng/ul	97
47) Dimethylphthalate	14.086	163	1471356	21.700	ng/ul	100
48) 2,6-Dinitrotoluene	14.210	165	286791	21.877	ng/ul	96
50) Acenaphthylene	14.345	152	2019001	21.587	ng/ul	100
51) 3-Nitroaniline	14.539	138	336988	22.393	ng/ul	98
52) Acenaphthene	14.686	153	1321689	21.441	ng/ul	99
53) 2,4-Dinitrophenol	14.745	184	132981	19.056	ng/ul	99
55) 4-Nitrophenol	14.839	109	232239	23.015	ng/ul	99
56) Dibenzofuran	15.021	168	1706245	21.432	ng/ul	99
57) 2,4-Dinitrotoluene	14.992	165	409747	22.124	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.245	232	286470	21.318	ng/ul	98
59) Diethylphthalate	15.451	149	1533531	22.070	ng/ul	99
61) Fluorene	15.668	166	1461712	21.492	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.668	204	634626	21.213	ng/ul	98
63) 4-Nitroaniline	15.692	138	331308	24.052	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.751	198	203891	20.101	ng/ul	99
67) N-Nitrosodiphenylamine	15.880	169	1187874	21.528	ng/ul	100
68) 4-Bromophenyl-phenylether	16.562	248	349819	20.554	ng/ul	99
69) Hexachlorobenzene	16.657	284	414583	21.263	ng/ul	97
70) Atrazine	16.833	200	219971	18.187	ng/ul	99
71) Pentachlorophenol	17.009	266	238307	20.217	ng/ul	99
72) Phenanthrene	17.409	178	2097271	21.541	ng/ul	99
74) Anthracene	17.498	178	2118946	21.564	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.421	216	495649	21.009	ng/ul	98
76) Pentachlorobenzene	14.933	250	477992	20.808	ng/ul	99
77) Carbazole	17.768	167	1929914	23.012	ng/ul	100
78) Di-n-butylphthalate	18.339	149	2440861	22.263	ng/ul	100
80) Fluoranthene	19.415	202	2032594	21.553	ng/ul	99
82) Pyrene	19.780	202	2096190	21.621	ng/ul	99
83) Butylbenzylphthalate	20.686	149	929117	22.166	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.456	252	528203	22.234	ng/ul	98
85) Benzo(a)anthracene	21.521	228	1751949	21.721	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.462	149	1322204	22.157	ng/ul	99
87) Chrysene	21.574	228	1567938	21.608	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	2029646	22.879	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	1532387	21.562	ng/ul	99
91) Benzo(k)fluoranthene	23.268	252	1470575	21.216	ng/ul	100
93) Benzo(a)pyrene	23.850	252	1390018	21.438	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.474	276	1634233	21.108	ng/ul	99
95) Dibenzo(a,h)anthracene	26.497	278	1357443	21.174	ng/ul	99
96) Benzo(g,h,i)perylene	27.250	276	1286932	21.205	ng/ul	98

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

