

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP053123\
 Data File : BP015361.D
 Acq On : 31 May 2023 16:00
 Operator : CG/JU
 Sample : 02851-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 H0FJ2MSD

Quant Time: May 31 23:06:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 31 14:24:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	178319	20.000	ng/u1	0.00
20) Naphthalene-d8	10.934	136	801919	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.751	164	538594	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.504	188	1266290	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	1245543	20.000	ng/u1	# 0.00
88) Perylene-d12	24.139	264	1306033	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.417	96	14419	3.142	ng/uL	0.00
4) Pyridine-d5	3.887	84	8706m	0.669	ng/u1	0.04
7) Phenol-d5	7.258	99	315106	19.032	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.428	67	189951	19.865	ng/u1	0.00
11) 2-Chlorophenol-d4	7.634	132	255309	20.973	ng/u1	0.00
15) 4-Methylphenol-d8	8.822	113	274631	20.817	ng/u1	0.00
21) Nitrobenzene-d5	9.281	128	139843	22.192	ng/u1	0.00
24) 2-Nitrophenol-d4	10.010	143	164832	23.509	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.552	165	302750	23.929	ng/u1	0.00
31) 4-Chloroaniline-d4	11.075	131	180387	9.636	ng/u1	0.00
46) Dimethylphthalate-d6	14.151	166	1034069	25.408	ng/u1	0.00
49) Acenaphthylene-d8	14.445	160	1110618	23.860	ng/u1	0.00
54) 4-Nitrophenol-d4	14.951	143	158306	20.031	ng/u1	0.00
60) Fluorene-d10	15.740	176	853470	24.852	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.869	200	174862	21.912	ng/u1	0.00
73) Anthracene-d10	17.604	188	1410957	24.333	ng/u1	0.00
81) Pyrene-d10	19.828	212	1767188	24.463	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	1714630	26.447	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.452	88	34509	6.998	ng/uL#	87
6) Benzaldehyde	7.234	77	234717	51.578	ng/u1	97
8) Phenol	7.287	94	363266	21.397	ng/u1#	87
10) Bis(2-Chloroethyl)ether	7.522	93	273223	20.115	ng/u1	99
12) 2-Chlorophenol	7.663	128	269886	20.960	ng/u1	97
13) 2-Methylphenol	8.552	108	265585	20.241	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.646	45	350528	20.598	ng/u1	100
16) Acetophenone	8.940	105	554127	26.912	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.922	70	234365	21.703	ng/u1	93
18) 4-Methylphenol	8.887	108	365462	25.305	ng/u1	99
19) Hexachloroethane	9.199	117	110516	21.021	ng/u1#	75
22) Nitrobenzene	9.328	77	350596	22.527	ng/u1	97
23) Isophorone	9.852	82	694622	21.714	ng/u1	99
25) 2-Nitrophenol	10.046	139	179994	23.410	ng/u1#	91
26) 2,4-Dimethylphenol	10.099	107	256280	16.703	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.334	93	402812	20.695	ng/u1	97
29) 2,4-Dichlorophenol	10.581	162	306490	23.982	ng/u1	98
30) Naphthalene	10.987	128	962939	22.087	ng/u1	100
32) 4-Chloroaniline	11.099	127	374459	19.463	ng/u1	100
33) Hexachlorobutadiene	11.263	225	213585	27.729	ng/u1	93
34) Caprolactam	11.881	113	104117	21.609	ng/u1	91
35) 4-Chloro-3-methylphenol	12.216	107	342724	23.750	ng/u1	99
36) 2-Methylnaphthalene	12.587	142	674318	22.955	ng/u1	99
37) 1-Methylnaphthalene	12.804	142	678575	23.003	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.951	216	419101	26.018	ng/ul	99
40) Hexachlorocyclopentadiene	12.922	237	193233	18.515	ng/ul	97
41) 2,4,6-Trichlorophenol	13.187	196	281811	24.776	ng/ul	99
42) 2,4,5-Trichlorophenol	13.263	196	300686	24.381	ng/ul	100
43) 1,1'-Biphenyl	13.587	154	955042	22.854	ng/ul	98
44) 2-Chloronaphthalene	13.634	162	753217	23.080	ng/ul	99
45) 2-Nitroaniline	13.834	65	235539	25.225	ng/ul	92
47) Dimethylphthalate	14.198	163	1038841	24.509	ng/ul	100
48) 2,6-Dinitrotoluene	14.328	165	224752	26.765	ng/ul	97
50) Acenaphthylene	14.475	152	1172670	22.579	ng/ul	100
51) 3-Nitroaniline	14.657	138	211738	28.003	ng/ul	98
52) Acenaphthene	14.816	153	809627	22.824	ng/ul	99
53) 2,4-Dinitrophenol	14.869	184	138116	24.772	ng/ul	95
55) 4-Nitrophenol	14.963	109	166159	28.586	ng/ul#	80
56) Dibenzofuran	15.145	168	1169639	23.706	ng/ul	98
57) 2,4-Dinitrotoluene	15.116	165	329773	27.139	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.375	232	292075	28.061	ng/ul	94
59) Diethylphthalate	15.557	149	1056641	24.995	ng/ul	98
61) Fluorene	15.798	166	957862	24.158	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.787	204	509279	26.288	ng/ul	99
63) 4-Nitroaniline	15.822	138	218010	33.388	ng/ul#	85
66) 4,6-Dinitro-2-methylph...	15.881	198	209523	25.440	ng/ul	96
67) N-Nitrosodiphenylamine	15.998	169	853638	22.926	ng/ul	99
68) 4-Bromophenyl-phenylether	16.681	248	357487	27.408	ng/ul	99
69) Hexachlorobenzene	16.804	284	443670	28.785	ng/ul	94
70) Atrazine	16.951	200	368365	26.766	ng/ul	98
71) Pentachlorophenol	17.151	266	238651	24.753	ng/ul	97
72) Phenanthrene	17.551	178	1639658	23.779	ng/ul	99
74) Anthracene	17.639	178	1631332	23.396	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.551	216	437183	24.350	ng/uL	100
76) Pentachlorobenzene	15.069	250	455904	25.290	ng/uL	99
77) Carbazole	17.904	167	1496846	24.481	ng/ul	99
78) Di-n-butylphthalate	18.433	149	1918404	24.364	ng/ul	99
80) Fluoranthene	19.498	202	2084254	23.672	ng/ul#	94
82) Pyrene	19.857	202	2143852	23.578	ng/ul#	92
83) Butylbenzylphthalate	20.704	149	913263	22.657	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.492	252	718833	26.278	ng/ul#	97
85) Benzo(a)anthracene	21.569	228	2150927	24.975	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.463	149	1336107	23.024	ng/ul#	98
87) Chrysene	21.627	228	2025628	24.604	ng/ul	98
89) Di-n-octyl phthalate	22.433	149	2261815	25.287	ng/ul	100
90) Benzo(b)fluoranthene	23.351	252	2201936	26.595	ng/ul#	97
91) Benzo(k)fluoranthene	23.404	252	2047489	25.754	ng/ul#	98
93) Benzo(a)pyrene	24.027	252	1798685	24.578	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.845	276	2176207	22.966	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.862	278	1829039	23.514	ng/ul#	96
96) Benzo(g,h,i)perylene	27.680	276	1555426	20.130	ng/ul#	94

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

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