

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080924\
 Data File : BM047135.D
 Acq On : 10 Aug 2024 00:29
 Operator : RC/JU
 Sample : PB162619BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS619

Quant Time: Aug 10 01:20:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 09 01:30:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/12/2024
 Supervised By :mohammad ahmed 08/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.381	152	237017	20.000	ng/u1	0.00
20) Naphthalene-d8	10.140	136	936724	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.039	164	594435	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.798	188	1252667	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.033	240	1109529	20.000	ng/u1	0.00
88) Perylene-d12	23.733	264	1302324	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.011	96	37421	6.255	ng/uL	0.00
4) Pyridine-d5	3.399	84	455290	27.900	ng/u1	0.00
7) Phenol-d5	6.593	99	563930	31.321	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.740	67	358895	30.294	ng/u1	0.00
11) 2-Chlorophenol-d4	6.928	132	435280	28.540	ng/u1	0.00
15) 4-Methylphenol-d8	8.105	113	418189	29.319	ng/u1	0.00
21) Nitrobenzene-d5	8.528	128	215065	28.612	ng/u1	0.00
24) 2-Nitrophenol-d4	9.240	143	236622	28.826	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.781	165	435883	27.657	ng/u1	0.00
31) 4-Chloroaniline-d4	10.293	131	536981	25.925	ng/u1	0.00
46) Dimethylphthalate-d6	13.469	166	1194544	26.282	ng/u1	0.00
49) Acenaphthylene-d8	13.728	160	1432324	28.232	ng/u1	0.00
54) 4-Nitrophenol-d4	14.287	143	248445	28.271	ng/u1	0.00
60) Fluorene-d10	15.045	176	1075087	27.651	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.186	200	209803	26.510	ng/u1	0.00
73) Anthracene-d10	16.898	188	1657570	27.913	ng/u1	0.00
81) Pyrene-d10	19.210	212	1933221	30.437	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.551	264	2009437	29.302	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.046	88	65081	9.776	ng/uL	99
5) Pyridine	3.417	79	466259	28.860	ng/u1	97
6) Benzaldehyde	6.546	77	290603	28.100	ng/u1	99
8) Phenol	6.616	94	580385	32.008	ng/u1	91
10) Bis(2-Chloroethyl)ether	6.834	93	470670	30.454	ng/u1	94
12) 2-Chlorophenol	6.958	128	459159	29.716	ng/u1	96
13) 2-Methylphenol	7.840	108	416923	30.184	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	7.910	45	629692	34.001	ng/u1	98
16) Acetophenone	8.205	105	655864	29.215	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.193	70	343335	29.002	ng/u1	98
18) 4-Methylphenol	8.169	108	454823	30.476	ng/u1	98
19) Hexachloroethane	8.434	117	201357	26.752	ng/u1	96
22) Nitrobenzene	8.569	77	558449	27.808	ng/u1	95
23) Isophorone	9.099	82	967736	28.163	ng/u1	99
25) 2-Nitrophenol	9.275	139	257420	28.667	ng/u1	92
26) 2,4-Dimethylphenol	9.352	107	384994	21.751	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.581	93	611615	28.873	ng/u1	99
29) 2,4-Dichlorophenol	9.804	162	435603	27.713	ng/u1	98
30) Naphthalene	10.187	128	1393452	28.096	ng/u1	99
32) 4-Chloroaniline	10.316	127	506836	25.198	ng/u1	99
33) Hexachlorobutadiene	10.475	225	262204	23.122	ng/u1	98
34) Caprolactam	11.099	113	137897m	28.970	ng/u1	
35) 4-Chloro-3-methylphenol	11.457	107	452898	27.942	ng/u1	99
36) 2-Methylnaphthalene	11.816	142	947082	27.348	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.040	142	944420	26.940	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.193	216	487609	26.156	ng/ul	99
40) Hexachlorocyclopentadiene	12.175	237	193311	15.741	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.451	196	301004	24.668	ng/ul	98
42) 2,4,5-Trichlorophenol	12.528	196	341875	25.949	ng/ul	98
43) 1,1'-Biphenyl	12.857	154	1230684	27.674	ng/ul	97
44) 2-Chloronaphthalene	12.893	162	1000137	28.320	ng/ul	98
45) 2-Nitroaniline	13.122	65	331076	30.849	ng/ul	98
47) Dimethylphthalate	13.516	163	1223267	26.822	ng/ul	99
48) 2,6-Dinitrotoluene	13.634	165	259732	29.295	ng/ul	89
50) Acenaphthylene	13.757	152	1576423	29.421	ng/ul	99
51) 3-Nitroaniline	13.963	138	288805	31.985	ng/ul	96
52) Acenaphthene	14.104	153	1054153	27.290	ng/ul	99
53) 2,4-Dinitrophenol	14.181	184	145354	23.235	ng/ul	91
55) 4-Nitrophenol	14.298	109	214573	24.125	ng/ul#	82
56) Dibenzofuran	14.445	168	1474850	27.205	ng/ul	95
57) 2,4-Dinitrotoluene	14.434	165	389840	28.773	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.681	232	247257	21.111	ng/ul	98
59) Diethylphthalate	14.904	149	1267738	25.839	ng/ul	99
61) Fluorene	15.098	166	1219071	27.263	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.104	204	557367	25.320	ng/ul	96
63) 4-Nitroaniline	15.139	138	309210m	34.653	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.204	198	232762	26.878	ng/ul	93
67) N-Nitrosodiphenylamine	15.322	169	1056126	28.444	ng/ul	99
68) 4-Bromophenyl-phenylether	16.004	248	361373	26.653	ng/ul	95
69) Hexachlorobenzene	16.104	284	440943	27.619	ng/ul	99
70) Atrazine	16.292	200	33437	2.295	ng/ul	99
71) Pentachlorophenol	16.457	266	212596	19.668	ng/ul	98
72) Phenanthrene	16.839	178	2013674	28.677	ng/ul	100
74) Anthracene	16.933	178	1986943	28.058	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.816	216	492708	27.337	ng/uL	97
76) Pentachlorobenzene	14.363	250	477979	25.621	ng/uL	99
77) Carbazole	17.216	167	1932353	29.434	ng/ul	99
78) Di-n-butylphthalate	17.798	149	2242049	26.857	ng/ul	98
80) Fluoranthene	18.874	202	2368689	31.206	ng/ul	98
82) Pyrene	19.239	202	2443215	30.207	ng/ul#	95
83) Butylbenzylphthalate	20.180	149	1069641	30.258	ng/ul	98
84) 3,3'-Dichlorobenzidine	20.957	252	762805	28.044	ng/ul	99
85) Benzo(a)anthracene	21.015	228	2402896	29.653	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.980	149	1524932	29.549	ng/ul	99
87) Chrysene	21.074	228	2248763	29.097	ng/ul	100
89) Di-n-octyl phthalate	22.010	149	2675318	29.119	ng/ul	100
90) Benzo(b)fluoranthene	22.886	252	2499290	31.025	ng/ul	99
91) Benzo(k)fluoranthene	22.945	252	2466986	30.989	ng/ul	98
93) Benzo(a)pyrene	23.609	252	2196593	29.268	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.733	276	2876525	29.915	ng/ul	98
95) Dibenzo(a,h)anthracene	26.780	278	2325131	30.105	ng/ul	98
96) Benzo(g,h,i)perylene	27.656	276	2299607	30.269	ng/ul	97

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

