

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063204.D
 Acq On : 7 Nov 2024 16:15
 Operator : RC/JU
 Sample : P4586-04MSD
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4EE9MSD

Quant Time: Nov 07 16:39:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	79210	20.000	ng/u1	0.00
20) Naphthalene-d8	10.627	136	386318	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.475	164	372248	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.231	188	933600	20.000	ng/u1	0.00
79) Chrysene-d12	21.479	240	968807	20.000	ng/u1	0.00
88) Perylene-d12	24.517	264	1038202	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	2123	1.212	ng/uL	0.00
4) Pyridine-d5	3.717	84	16690	2.883	ng/u1	0.00
7) Phenol-d5	7.014	99	37249	5.211	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.172	67	23024	5.492	ng/u1	0.00
11) 2-Chlorophenol-d4	7.378	132	27014	5.823	ng/u1	0.00
15) 4-Methylphenol-d8	8.547	113	26555	4.383	ng/u1	0.00
21) Nitrobenzene-d5	8.988	128	15216m	5.602	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	20508m	5.842	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	43031	6.247	ng/u1	0.00
31) 4-Chloroaniline-d4	10.774	131	30211	3.367	ng/u1	0.01
46) Dimethylphthalate-d6	13.882	166	156849	5.379	ng/u1	0.00
49) Acenaphthylene-d8	14.170	160	171999	6.027	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	20450m	5.122	ng/u1	0.00
60) Fluorene-d10	15.468	176	146827	5.966	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	27767	4.732	ng/u1	0.00
73) Anthracene-d10	17.325	188	247587	6.170	ng/u1	0.00
81) Pyrene-d10	19.622	212	230513	4.746	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.305	264	145702	2.907	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.341	88	4779	2.216	ng/uL#	34
5) Pyridine	3.729	79	22124	3.745	ng/u1	91
6) Benzaldehyde	6.984	77	6147m	1.556	ng/u1	
8) Phenol	7.043	94	65394	8.396	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.260	93	39222	7.404	ng/u1	100
12) 2-Chlorophenol	7.401	128	39498	7.959	ng/u1	96
13) 2-Methylphenol	8.283	108	39716	6.981	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.359	45	51609	7.708	ng/u1#	96
16) Acetophenone	8.659	105	125420	12.858	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.641	70	39580	6.956	ng/u1	98
18) 4-Methylphenol	8.612	108	47020	7.268	ng/u1	94
19) Hexachloroethane	8.923	117	8823	4.387	ng/u1#	85
22) Nitrobenzene	9.035	77	59190	7.068	ng/u1	92
23) Isophorone	9.552	82	115158	6.515	ng/u1	99
25) 2-Nitrophenol	9.746	139	25151	7.248	ng/u1#	82
26) 2,4-Dimethylphenol	9.810	107	25737	3.400	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.039	93	59671	7.003	ng/u1#	91
29) 2,4-Dichlorophenol	10.280	162	53654	8.262	ng/u1	88
30) Naphthalene	10.674	128	157908	7.988	ng/u1	99
32) 4-Chloroaniline	10.791	127	23945	2.788	ng/u1	96
33) Hexachlorobutadiene	10.968	225	46863	7.540	ng/u1	95
34) Caprolactam	11.526	113	18845	6.982	ng/u1	93
35) 4-Chloro-3-methylphenol	11.920	107	61601	7.905	ng/u1	87
36) 2-Methylnaphthalene	12.290	142	124643	7.956	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.513	142	125640	7.712	ng/ul#	90
39) 1,2,4,5-Tetrachloroben...	12.666	216	93428	7.120	ng/ul#	98
40) Hexachlorocyclopentadiene	12.642	237	13769	1.922	ng/ul#	88
41) 2,4,6-Trichlorophenol	12.907	196	59936	8.462	ng/ul	89
42) 2,4,5-Trichlorophenol	12.983	196	64398	8.384	ng/ul	89
43) 1,1'-Biphenyl	13.306	154	187416	7.943	ng/ul	98
44) 2-Chloronaphthalene	13.347	162	143993	7.839	ng/ul	99
45) 2-Nitroaniline	13.553	65	47827	7.633	ng/ul	94
47) Dimethylphthalate	13.929	163	195505	6.993	ng/ul	99
48) 2,6-Dinitrotoluene	14.052	165	40952	7.654	ng/ul	97
50) Acenaphthylene	14.199	152	218969	7.702	ng/ul	98
51) 3-Nitroaniline	14.381	138	32791	7.022	ng/ul#	99
52) Acenaphthene	14.540	153	174153	8.559	ng/ul	99
53) 2,4-Dinitrophenol	14.599	184	16794	4.761	ng/ul	83
55) 4-Nitrophenol	14.705	109	34494m	6.648	ng/ul	
56) Dibenzofuran	14.875	168	260824	8.374	ng/ul	97
57) 2,4-Dinitrotoluene	14.846	165	61839	7.308	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.110	232	63406	7.971	ng/ul	94
59) Diethylphthalate	15.298	149	207015	7.222	ng/ul	99
61) Fluorene	15.527	166	224047	8.499	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.521	204	131538	7.764	ng/ul	99
63) 4-Nitroaniline	15.539	138	39188	8.291	ng/ul#	89
66) 4,6-Dinitro-2-methylph...	15.609	198	42536	6.985	ng/ul	97
67) N-Nitrosodiphenylamine	15.739	169	173619	8.336	ng/ul	92
68) 4-Bromophenyl-phenylether	16.414	248	92382	8.656	ng/ul	98
69) Hexachlorobenzene	16.538	284	55052	4.842	ng/ul	96
70) Atrazine	16.685	200	88233	7.744	ng/ul	95
71) Pentachlorophenol	16.884	266	31029	5.444	ng/ul	92
72) Phenanthrene	17.266	178	610825	14.320	ng/ul	98
74) Anthracene	17.360	178	386979	8.856	ng/ul	94
75) 1,2,3,4-Tetrachloroben...	13.271	216	91484	7.578	ng/ul	99
76) Pentachlorobenzene	14.799	250	90682	7.044	ng/ul	99
77) Carbazole	17.631	167	256749	7.077	ng/ul	100
78) Di-n-butylphthalate	18.195	149	349608	8.472	ng/ul	98
80) Fluoranthene	19.287	202	830291	15.814	ng/ul	98
82) Pyrene	19.652	202	498138	8.951	ng/ul	99
83) Butylbenzylphthalate	20.551	149	161315	9.918	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.379	252	129944	6.238	ng/ul	99
85) Benzo(a)anthracene	21.461	228	681753	11.125	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.379	149	245505	10.363	ng/ul	98
87) Chrysene	21.526	228	645531	11.299	ng/ul	98
89) Di-n-octyl phthalate	22.525	149	395659	9.671	ng/ul	100
90) Benzo(b)fluoranthene	23.559	252	701752	11.234	ng/ul	97
91) Benzo(k)fluoranthene	23.618	252	602491m	9.684	ng/ul	
93) Benzo(a)pyrene	24.364	252	234289	4.055	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	27.936	276	421086m	5.941	ng/ul	
95) Dibenzo(a,h)anthracene	27.989	278	497737	8.614	ng/ul	98
96) Benzo(g,h,i)perylene	29.005	276	45338m	0.844	ng/ul	

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

