

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG058987.D
 Acq On : 11 Sep 2023 17:32
 Operator : MA/JU
 Sample : 04234-03MS
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YBY14MS

Quant Time: Sep 12 01:33:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.328	152	82139	20.000	ng/u1	0.00
20) Naphthalene-d8	11.172	136	418801	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.950	164	300058	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.700	188	744248	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.024	240	701251	20.000	ng/u1	0.00
88) Perylene-d12	25.591	264	772993	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.640	96	12814	6.631	ng/uL	0.00
4) Pyridine-d5	4.069	84	33482	5.473	ng/u1	0.00
7) Phenol-d5	7.435	99	276345	33.363	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.647	67	149774	30.837	ng/u1	0.00
11) 2-Chlorophenol-d4	7.835	132	173451	32.650	ng/u1	0.00
15) 4-Methylphenol-d8	9.010	113	197582	30.876	ng/u1	0.00
21) Nitrobenzene-d5	9.521	128	90372	29.749	ng/u1	0.00
24) 2-Nitrophenol-d4	10.238	143	110723	33.217	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.761	165	215882	30.474	ng/u1	0.00
31) 4-Chloroaniline-d4	11.307	131	123924	13.008	ng/u1	0.00
46) Dimethylphthalate-d6	14.345	166	682781	29.335	ng/u1	0.00
49) Acenaphthylene-d8	14.650	160	753398	29.068	ng/u1	0.00
54) 4-Nitrophenol-d4	15.121	143	119420	30.888	ng/u1	0.00
60) Fluorene-d10	15.937	176	624048	30.212	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.043	200	107523	29.432	ng/u1	0.00
73) Anthracene-d10	17.800	188	953717	28.866	ng/u1	0.00
81) Pyrene-d10	20.068	212	1105794	29.768	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.344	264	1151380	30.386	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.675	88	36066	14.485	ng/uL	99
5) Pyridine	4.092	79	239822	36.710	ng/u1	97
6) Benzaldehyde	7.471	77	187585	37.033	ng/u1#	79
8) Phenol	7.465	94	382457	43.420	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.741	93	253986	39.453	ng/u1	96
12) 2-Chlorophenol	7.876	128	238586	43.450	ng/u1	98
13) 2-Methylphenol	8.740	108	270959	40.855	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.846	45	305003m	39.455	ng/u1	
16) Acetophenone	9.169	105	439706	41.445	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.133	70	237084	39.865	ng/u1#	97
18) 4-Methylphenol	9.075	108	307582	42.465	ng/u1	94
19) Hexachloroethane	9.410	117	94912	41.242	ng/u1	86
22) Nitrobenzene	9.568	77	345351	37.974	ng/u1	96
23) Isophorone	10.073	82	720958	37.320	ng/u1	99
25) 2-Nitrophenol	10.273	139	141782	41.715	ng/u1#	94
26) 2,4-Dimethylphenol	10.297	107	254248	30.184	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.561	93	386156	37.296	ng/u1	95
29) 2,4-Dichlorophenol	10.790	162	259587	38.680	ng/u1	95
30) Naphthalene	11.225	128	833061	37.736	ng/u1	99
32) 4-Chloroaniline	11.337	127	266968	29.188	ng/u1	97
33) Hexachlorobutadiene	11.454	225	190683	36.314	ng/u1	98
34) Caprolactam	12.124	113	99717m	41.867	ng/u1	
35) 4-Chloro-3-methylphenol	12.400	107	323743	39.263	ng/u1	95
36) 2-Methylnaphthalene	12.800	142	603871	36.658	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.017	142	601706	37.032	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.140	216	355381	36.283	ng/ul#	94
40) Hexachlorocyclopentadiene	13.099	237	201717	27.989	ng/ul	95
41) 2,4,6-Trichlorophenol	13.381	196	231790	37.277	ng/ul	95
42) 2,4,5-Trichlorophenol	13.446	196	256437	38.094	ng/ul	92
43) 1,1'-Biphenyl	13.787	154	857275	38.221	ng/ul	97
44) 2-Chloronaphthalene	13.840	162	658659	38.449	ng/ul	96
45) 2-Nitroaniline	14.057	65	215621	41.041	ng/ul	86
47) Dimethylphthalate	14.398	163	855794	38.887	ng/ul	99
48) 2,6-Dinitrotoluene	14.539	165	183455	43.823	ng/ul	95
50) Acenaphthylene	14.680	152	1057198	37.413	ng/ul	98
51) 3-Nitroaniline	14.874	138	174377	43.406	ng/ul#	85
52) Acenaphthene	15.015	153	740455	39.049	ng/ul	97
53) 2,4-Dinitrophenol	15.068	184	106466	39.457	ng/ul	92
55) 4-Nitrophenol	15.138	109	174715	38.302	ng/ul	96
56) Dibenzofuran	15.350	168	1056524	38.467	ng/ul	99
57) 2,4-Dinitrotoluene	15.309	165	250498	43.366	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.549	232	238739	37.128	ng/ul#	94
59) Diethylphthalate	15.743	149	844527	38.925	ng/ul	95
61) Fluorene	15.996	166	866263	38.375	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.978	204	448093	37.514	ng/ul	94
63) 4-Nitroaniline	16.037	138	184459	48.448	ng/ul	86
66) 4,6-Dinitro-2-methylph...	16.061	198	156788	39.323	ng/ul#	96
67) N-Nitrosodiphenylamine	16.196	169	739213	37.681	ng/ul	99
68) 4-Bromophenyl-phenylether	16.877	248	294886	36.118	ng/ul	90
69) Hexachlorobenzene	16.965	284	336617	35.914	ng/ul	95
70) Atrazine	17.130	200	163683	21.321	ng/ul	96
71) Pentachlorophenol	17.312	266	202434	35.038	ng/ul	91
72) Phenanthrene	17.741	178	1416891	37.511	ng/ul	99
74) Anthracene	17.835	178	1404932	36.595	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.746	216	39605	3.688	ng/uL#	91
76) Pentachlorobenzene	15.238	250	392944	37.861	ng/uL	96
77) Carbazole	18.105	167	1274302	39.638	ng/ul	99
78) Di-n-butylphthalate	18.616	149	1413533	39.663	ng/ul	99
80) Fluoranthene	19.733	202	1680639	38.960	ng/ul#	97
82) Pyrene	20.097	202	1732609	38.635	ng/ul#	95
83) Butylbenzylphthalate	20.961	149	613653	43.302	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.913	252	539215	34.658	ng/ul	92
85) Benzo(a)anthracene	22.001	228	1709938	36.360	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.842	149	901345	42.468	ng/ul	100
87) Chrysene	22.077	228	1629303	37.268	ng/ul	98
89) Di-n-octyl phthalate	23.182	149	1538340	43.262	ng/ul	100
90) Benzo(b)fluoranthene	24.439	252	1815023	39.417	ng/ul	98
91) Benzo(k)fluoranthene	24.521	252	1807202	38.405	ng/ul	96
93) Benzo(a)pyrene	25.426	252	1604477	37.346	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.721	276	2137643m	39.378	ng/ul	
95) Dibenzo(a,h)anthracene	29.821	278	1732391	38.514	ng/ul	97
96) Benzo(g,h,i)perylene	31.043	276	1746843	40.655	ng/ul	96

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

