

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121124\
 Data File : BG063655.D
 Acq On : 11 Dec 2024 17:14
 Operator : RC/JU
 Sample : SSTD08092
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080435

Quant Time: Dec 11 23:47:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:17:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	192906	20.000	ng/u1	0.00
20) Naphthalene-d8	10.603	136	810669	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	579328	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	1324426	20.000	ng/u1	0.00
79) Chrysene-d12	21.466	240	1295539	20.000	ng/u1	0.00
88) Perylene-d12	24.486	264	1455444	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.282	96	167514	38.336	ng/uL	0.00
4) Pyridine-d5	3.687	84	1383912	85.614	ng/u1	0.00
7) Phenol-d5	7.001	99	1397935	73.602	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.148	67	972633	75.739	ng/u1	0.00
11) 2-Chlorophenol-d4	7.354	132	906331	81.007	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	1058362	75.157	ng/u1	0.01
21) Nitrobenzene-d5	8.975	128	479368	84.243	ng/u1	0.00
24) 2-Nitrophenol-d4	9.692	143	543524	83.470	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	1010696	72.088	ng/u1	0.00
31) 4-Chloroaniline-d4	10.744	131	1266824	74.768	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	2898897	68.851	ng/u1	0.01
49) Acenaphthylene-d8	14.151	160	3285871	71.397	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	480496	89.124	ng/u1	0.01
60) Fluorene-d10	15.456	176	2559260	61.664	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.591	200	589832	78.834	ng/u1	0.01
73) Anthracene-d10	17.312	188	4094697	67.709	ng/u1	0.00
81) Pyrene-d10	19.610	212	4595395	63.993	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.287	264	5334149	72.971	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	183988	31.623	ng/uL#	90
5) Pyridine	3.711	79	1447891	86.253	ng/u1	94
6) Benzaldehyde	6.960	77	699886	57.584	ng/u1	96
8) Phenol	7.025	94	1492015	73.076	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.242	93	1136348	80.557	ng/u1	93
12) 2-Chlorophenol	7.389	128	946962	83.637	ng/u1	94
13) 2-Methylphenol	8.264	108	1068111	74.971	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.335	45	1649139	86.937	ng/u1	99
16) Acetophenone	8.640	105	1799101	69.399	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.634	70	1071342	72.536	ng/u1	94
18) 4-Methylphenol	8.605	108	1168594	74.697	ng/u1	98
19) Hexachloroethane	8.887	117	426409	70.478	ng/u1	95
22) Nitrobenzene	9.016	77	1582375	68.745	ng/u1	99
23) Isophorone	9.545	82	2767277	66.681	ng/u1	99
25) 2-Nitrophenol	9.727	139	550618	84.865	ng/u1	90
26) 2,4-Dimethylphenol	9.792	107	1184454	66.992	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.021	93	1521447	78.463	ng/u1	96
29) 2,4-Dichlorophenol	10.262	162	1008392	71.751	ng/u1	97
30) Naphthalene	10.656	128	2992719	71.714	ng/u1	95
32) 4-Chloroaniline	10.767	127	1205764	75.124	ng/u1	99
33) Hexachlorobutadiene	10.943	225	812233	56.012	ng/u1	97
34) Caprolactam	11.543	113	325943m	70.846	ng/u1	
35) 4-Chloro-3-methylphenol	11.907	107	1159992	66.165	ng/u1	99
36) 2-Methylnaphthalene	12.271	142	2147769	66.757	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.489	142	2174429	66.659	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.641	216	1442636	64.052	ng/ul	98
40) Hexachlorocyclopentadiene	12.618	237	689162	73.297	ng/ul	97
41) 2,4,6-Trichlorophenol	12.888	196	852093	76.713	ng/ul	94
42) 2,4,5-Trichlorophenol	12.965	196	889803	74.251	ng/ul	99
43) 1,1'-Biphenyl	13.288	154	2819814	73.326	ng/ul	99
44) 2-Chloronaphthalene	13.329	162	2298365	72.516	ng/ul	96
45) 2-Nitroaniline	13.540	65	896202	86.556	ng/ul	99
47) Dimethylphthalate	13.916	163	2885740	67.745	ng/ul	99
48) 2,6-Dinitrotoluene	14.040	165	614797	78.225	ng/ul	96
50) Acenaphthylene	14.181	152	3423540	70.737	ng/ul	94
51) 3-Nitroaniline	14.369	138	528684	79.815	ng/ul	91
52) Acenaphthene	14.522	153	2500610	71.159	ng/ul	98
53) 2,4-Dinitrophenol	14.586	184	374918	96.636	ng/ul	91
55) 4-Nitrophenol	14.704	109	499476	60.299	ng/ul	89
56) Dibenzofuran	14.857	168	3434923	63.245	ng/ul	92
57) 2,4-Dinitrotoluene	14.833	165	890557	71.847	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.092	232	784665	70.008	ng/ul	95
59) Diethylphthalate	15.285	149	2812405	67.755	ng/ul#	95
61) Fluorene	15.509	166	2695803	60.940	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.503	204	1535551	53.900	ng/ul	98
63) 4-Nitroaniline	15.544	138	519453	72.926	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.609	198	608617	81.470	ng/ul	95
67) N-Nitrosodiphenylamine	15.720	169	2454143	79.123	ng/ul	96
68) 4-Bromophenyl-phenylether	16.396	248	1061730	67.844	ng/ul	96
69) Hexachlorobenzene	16.519	284	1160412	68.884	ng/ul	96
70) Atrazine	16.678	200	1054543	72.736	ng/ul	97
71) Pentachlorophenol	16.866	266	572643	96.680	ng/ul	95
72) Phenanthrene	17.254	178	4420657	67.762	ng/ul#	92
74) Anthracene	17.348	178	4424702	65.679	ng/ul#	90
75) 1,2,3,4-Tetrachloroben...	13.253	216	1435057	76.775	ng/ul	97
76) Pentachlorobenzene	14.786	250	1377016	70.514	ng/ul	97
77) Carbazole	17.618	167	3994538	74.009	ng/ul	95
78) Di-n-butylphthalate	18.176	149	4341859	75.354	ng/ul#	93
80) Fluoranthene	19.275	202	5011909	62.101	ng/ul#	93
82) Pyrene	19.639	202	5113794	59.606	ng/ul#	87
83) Butylbenzylphthalate	20.532	149	1942224	107.505	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.367	252	1840154	82.973	ng/ul	95
85) Benzo(a)anthracene	21.443	228	5561473	63.653	ng/ul#	85
86) Bis(2-ethylhexyl)phtha...	21.355	149	2697379	99.306	ng/ul#	97
87) Chrysene	21.508	228	5204907	63.414	ng/ul#	81
89) Di-n-octyl phthalate	22.495	149	4810724	94.579	ng/ul	100
90) Benzo(b)fluoranthene	23.540	252	6284569	69.510	ng/ul	95
91) Benzo(k)fluoranthene	23.605	252	5842024	65.004	ng/ul	94
93) Benzo(a)pyrene	24.357	252	5861899	69.127	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.912	276	7508760	73.405	ng/ul	97
95) Dibenzo(a,h)anthracene	27.971	278	5987595	72.983	ng/ul	96
96) Benzo(g,h,i)perylene	28.981	276	5859786	75.371	ng/ul	97

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

