

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082324\
 Data File : BG062577.D
 Acq On : 23 Aug 2024 22:41
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020475

Quant Time: Aug 24 00:10:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 20 23:01:24 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	90584	20.000	ng/u1	0.00
20) Naphthalene-d8	10.731	136	431109	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.561	164	312818	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.304	188	627347	20.000	ng/u1	0.00
79) Chrysene-d12	21.552	240	569084	20.000	ng/u1	0.00
88) Perylene-d12	24.642	264	614518	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.400	96	15596	6.537	ng/uL	0.00
4) Pyridine-d5	3.805	84	138112	18.997	ng/u1	0.00
7) Phenol-d5	7.107	99	177671	19.716	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.265	67	98909	17.425	ng/u1	0.00
11) 2-Chlorophenol-d4	7.471	132	124775	20.270	ng/u1	0.00
15) 4-Methylphenol-d8	8.646	113	148365	19.642	ng/u1	0.00
21) Nitrobenzene-d5	9.092	128	67509	24.418	ng/u1	0.00
24) 2-Nitrophenol-d4	9.809	143	77150	28.052	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.355	165	150810	21.529	ng/u1	0.00
31) 4-Chloroaniline-d4	10.860	131	194925	17.547	ng/u1	0.00
46) Dimethylphthalate-d6	13.968	166	436114	17.923	ng/u1	0.00
49) Acenaphthylene-d8	14.256	160	505561	18.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.761	143	68573	17.666	ng/u1	0.01
60) Fluorene-d10	15.554	176	392055	17.864	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.671	200	70007	24.560	ng/u1	0.00
73) Anthracene-d10	17.404	188	557996	18.515	ng/u1	0.00
81) Pyrene-d10	19.689	212	651850	19.559	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.430	264	631259	19.356	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.435	88	18557	7.286	ng/uL	93
5) Pyridine	3.829	79	141712	18.525	ng/u1	95
6) Benzaldehyde	7.077	77	105927	22.675	ng/u1	99
8) Phenol	7.130	94	184038	19.463	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.359	93	123028	17.584	ng/u1	99
12) 2-Chlorophenol	7.506	128	129880	20.398	ng/u1	100
13) 2-Methylphenol	8.381	108	135178	18.998	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.452	45	254723	17.638	ng/u1	97
16) Acetophenone	8.757	105	225112	18.193	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.745	70	117115	17.936	ng/u1	98
18) 4-Methylphenol	8.710	108	159009	19.510	ng/u1	97
19) Hexachloroethane	9.016	117	49295	19.457	ng/u1	97
22) Nitrobenzene	9.133	77	172736	22.119	ng/u1	98
23) Isophorone	9.656	82	322828	17.504	ng/u1	99
25) 2-Nitrophenol	9.844	139	83818	27.280	ng/u1	99
26) 2,4-Dimethylphenol	9.909	107	157866	18.840	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.138	93	191198	18.638	ng/u1	97
29) 2,4-Dichlorophenol	10.379	162	153351	21.318	ng/u1	99
30) Naphthalene	10.784	128	464275	18.569	ng/u1	100
32) 4-Chloroaniline	10.884	127	190450	17.634	ng/u1	99
33) Hexachlorobutadiene	11.066	225	101078	18.485	ng/u1	99
34) Caprolactam	11.653	113	55105m	18.993	ng/u1	
35) 4-Chloro-3-methylphenol	12.012	107	167121	19.855	ng/u1	100
36) 2-Methylnaphthalene	12.388	142	331183	18.756	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.605	142	332611	18.462	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.758	216	206214	19.741	ng/ul	96
40) Hexachlorocyclopentadiene	12.734	237	99357	18.556	ng/ul	97
41) 2,4,6-Trichlorophenol	12.993	196	133449	22.208	ng/ul	96
42) 2,4,5-Trichlorophenol	13.069	196	141088	22.363	ng/ul	99
43) 1,1'-Biphenyl	13.392	154	462288	19.507	ng/ul	98
44) 2-Chloronaphthalene	13.433	162	361407	19.707	ng/ul	98
45) 2-Nitroaniline	13.639	65	117150	24.664	ng/ul	97
47) Dimethylphthalate	14.015	163	441115	17.881	ng/ul	99
48) 2,6-Dinitrotoluene	14.132	165	89287	25.342	ng/ul#	89
50) Acenaphthylene	14.285	152	538330	18.662	ng/ul	99
51) 3-Nitroaniline	14.461	138	84437	21.034	ng/ul	97
52) Acenaphthene	14.626	153	398639	18.466	ng/ul	97
53) 2,4-Dinitrophenol	14.667	184	48405	21.781	ng/ul	89
55) 4-Nitrophenol	14.778	109	58301	17.498	ng/ul	96
56) Dibenzofuran	14.961	168	557194	18.348	ng/ul	98
57) 2,4-Dinitrotoluene	14.919	165	124582	23.229	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.184	232	123002	20.278	ng/ul	95
59) Diethylphthalate	15.378	149	423684	17.209	ng/ul	98
61) Fluorene	15.607	166	418594	17.488	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.601	204	220564	17.932	ng/ul	100
63) 4-Nitroaniline	15.624	138	80595	19.207	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.683	198	77249	24.052	ng/ul#	95
67) N-Nitrosodiphenylamine	15.812	169	369965	20.343	ng/ul	98
68) 4-Bromophenyl-phenylether	16.494	248	148074	21.032	ng/ul	97
69) Hexachlorobenzene	16.611	284	163276	19.905	ng/ul	99
70) Atrazine	16.764	200	135210	17.830	ng/ul	95
71) Pentachlorophenol	16.952	266	102050	21.319	ng/ul	99
72) Phenanthrene	17.346	178	651924	18.494	ng/ul	99
74) Anthracene	17.440	178	664672	18.407	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	210674	23.492	ng/ul	98
76) Pentachlorobenzene	14.878	250	204785	21.769	ng/ul	97
77) Carbazole	17.704	167	545370	17.979	ng/ul	99
78) Di-n-butylphthalate	18.268	149	680821	18.762	ng/ul	99
80) Fluoranthene	19.355	202	743274	19.963	ng/ul	99
82) Pyrene	19.719	202	775690	19.329	ng/ul	99
83) Butylbenzylphthalate	20.612	149	279521	20.678	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.452	252	250453	20.164	ng/ul#	96
85) Benzo(a)anthracene	21.534	228	774825	18.758	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.452	149	401869	20.348	ng/ul	99
87) Chrysene	21.599	228	744547	19.013	ng/ul	99
89) Di-n-octyl phthalate	22.621	149	688577	21.010	ng/ul	100
90) Benzo(b)fluoranthene	23.661	252	708794	19.093	ng/ul	99
91) Benzo(k)fluoranthene	23.725	252	716973	19.134	ng/ul	100
93) Benzo(a)pyrene	24.495	252	671080	19.175	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.125	276	804198m	18.079	ng/ul	
95) Dibenzo(a,h)anthracene	28.190	278	656276m	18.202	ng/ul	
96) Benzo(g,h,i)perylene	29.212	276	554928m	16.222	ng/ul	

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

