

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052124\
 Data File : BG061252.D
 Acq On : 21 May 2024 13:16
 Operator : MA/JU
 Sample : SSTD04088
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040416

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 21 14:46:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 12:33:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.888	152	21913	20.000	ng/u1	0.00
20) Naphthalene-d8	10.685	136	100399	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	89265	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.272	188	224273	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	219268	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	240117	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	6329	17.008	ng/uL	0.00
4) Pyridine-d5	3.746	84	55904	43.546	ng/u1	0.00
7) Phenol-d5	7.072	99	72541	42.036	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.219	67	46568	43.065	ng/u1	0.00
11) 2-Chlorophenol-d4	7.424	132	55161	43.221	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	63629	42.451	ng/u1	0.00
21) Nitrobenzene-d5	9.046	128	31587	41.388	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	37514	40.728	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.315	165	74018	40.244	ng/u1	0.00
31) 4-Chloroaniline-d4	10.820	131	94941	41.336	ng/u1	0.00
46) Dimethylphthalate-d6	13.928	166	271882	41.236	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	284639	39.514	ng/u1	0.00
54) 4-Nitrophenol-d4	14.751	143	36190	47.574	ng/u1	0.00
60) Fluorene-d10	15.521	176	235728	40.104	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	55161	42.103	ng/u1	0.00
73) Anthracene-d10	17.371	188	396837	39.733	ng/u1	0.00
81) Pyrene-d10	19.663	212	470683	40.797	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.398	264	472022	41.154	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	6842	16.233	ng/uL#	81
5) Pyridine	3.770	79	56682	42.921	ng/u1	94
6) Benzaldehyde	7.031	77	42650	47.303	ng/u1	91
8) Phenol	7.095	94	75048	42.678	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.313	93	54141	40.875	ng/u1	96
12) 2-Chlorophenol	7.460	128	57730	42.033	ng/u1	99
13) 2-Methylphenol	8.341	108	60228	44.114	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.417	45	149684	43.278	ng/u1	97
16) Acetophenone	8.711	105	107973	43.632	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.699	70	57267	42.761	ng/u1	96
18) 4-Methylphenol	8.670	108	65285	42.706	ng/u1	90
19) Hexachloroethane	8.970	117	25824	42.378	ng/u1	97
22) Nitrobenzene	9.087	77	85774	41.704	ng/u1	96
23) Isophorone	9.616	82	173047	41.924	ng/u1	97
25) 2-Nitrophenol	9.798	139	39706	41.601	ng/u1	99
26) 2,4-Dimethylphenol	9.868	107	78947	40.248	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.092	93	88566	41.358	ng/u1	99
29) 2,4-Dichlorophenol	10.344	162	68302	40.694	ng/u1	95
30) Naphthalene	10.732	128	215707	40.542	ng/u1	97
32) 4-Chloroaniline	10.844	127	94080	42.142	ng/u1	99
33) Hexachlorobutadiene	11.020	225	63733	37.823	ng/u1	93
34) Caprolactam	11.613	113	25726m	45.777	ng/u1	
35) 4-Chloro-3-methylphenol	11.984	107	84861	42.313	ng/u1	97
36) 2-Methylnaphthalene	12.342	142	156227	40.972	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.565	142	160303	41.709	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.718	216	121080	38.742	ng/ul	99
40) Hexachlorocyclopentadiene	12.695	237	51889	40.310	ng/ul	93
41) 2,4,6-Trichlorophenol	12.959	196	69942	41.078	ng/ul	98
42) 2,4,5-Trichlorophenol	13.041	196	73393	40.714	ng/ul	98
43) 1,1'-Biphenyl	13.353	154	231269	39.331	ng/ul	99
44) 2-Chloronaphthalene	13.400	162	183982	39.293	ng/ul	94
45) 2-Nitroaniline	13.605	65	75236	40.724	ng/ul	97
47) Dimethylphthalate	13.981	163	280615	41.027	ng/ul	97
48) 2,6-Dinitrotoluene	14.105	165	57257	42.005	ng/ul	98
50) Acenaphthylene	14.246	152	317239	40.103	ng/ul	96
51) 3-Nitroaniline	14.434	138	50507	42.627	ng/ul	97
52) Acenaphthene	14.586	153	207784	39.114	ng/ul	96
53) 2,4-Dinitrophenol	14.651	184	31289	47.000	ng/ul	96
55) 4-Nitrophenol	14.769	109	41698	45.024	ng/ul	98
56) Dibenzofuran	14.921	168	296682	40.240	ng/ul	98
57) 2,4-Dinitrotoluene	14.898	165	85755	42.248	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.156	232	68739	44.971	ng/ul#	95
59) Diethylphthalate	15.344	149	279897	41.868	ng/ul	99
61) Fluorene	15.574	166	256899	40.885	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.568	204	150594	40.086	ng/ul	99
63) 4-Nitroaniline	15.597	138	54133	45.469	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.668	198	57647	41.927	ng/ul#	97
67) N-Nitrosodiphenylamine	15.779	169	228259	39.825	ng/ul	98
68) 4-Bromophenyl-phenylether	16.461	248	108783	39.788	ng/ul	98
69) Hexachlorobenzene	16.584	284	120952	39.567	ng/ul	97
70) Atrazine	16.737	200	93429	41.916	ng/ul	98
71) Pentachlorophenol	16.937	266	40150	42.970	ng/ul	92
72) Phenanthrene	17.313	178	440895	40.748	ng/ul	98
74) Anthracene	17.407	178	448887	40.074	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.323	216	121123	37.035	ng/uL	98
76) Pentachlorobenzene	14.851	250	133434	38.325	ng/uL	95
77) Carbazole	17.677	167	370425	40.877	ng/ul	99
78) Di-n-butylphthalate	18.235	149	461388	41.370	ng/ul	99
80) Fluoranthene	19.328	202	568862	40.884	ng/ul	99
82) Pyrene	19.692	202	577623	40.651	ng/ul	99
83) Butylbenzylphthalate	20.579	149	197606	40.586	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.420	252	201726	43.524	ng/ul#	96
85) Benzo(a)anthracene	21.508	228	619725	41.014	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.414	149	290673	41.646	ng/ul	99
87) Chrysene	21.567	228	571512	41.027	ng/ul	97
89) Di-n-octyl phthalate	22.577	149	494936	41.713	ng/ul	100
90) Benzo(b)fluoranthene	23.635	252	582416	40.558	ng/ul	99
91) Benzo(k)fluoranthene	23.699	252	598140	41.663	ng/ul	99
93) Benzo(a)pyrene	24.469	252	557457	40.904	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.124	276	670849	41.325	ng/ul	99
95) Dibenzo(a,h)anthracene	28.176	278	558802	41.275	ng/ul	98
96) Benzo(g,h,i)perylene	29.216	276	535683	41.171	ng/ul#	98

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

