

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061726.D
 Acq On : 26 Jun 2024 7:30
 Operator : MA/JU
 Sample : PB161517BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS517

Quant Time: Jun 26 08:09:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	52863	20.000	ng/u1	0.00
20) Naphthalene-d8	10.884	136	286337	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	216066	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.441	188	528578	20.000	ng/u1	0.00
79) Chrysene-d12	21.707	240	436896	20.000	ng/u1	0.00
88) Perylene-d12	24.927	264	528498	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	8703	5.947	ng/uL	0.00
4) Pyridine-d5	3.881	84	134526	30.406	ng/u1	0.00
7) Phenol-d5	7.218	99	198479	34.585	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.394	67	120605m	33.713	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	135853	34.497	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	163478	36.849	ng/u1	0.00
21) Nitrobenzene-d5	9.233	128	73444	37.776	ng/u1	0.00
24) 2-Nitrophenol-d4	9.956	143	89845	45.627	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	166999	35.817	ng/u1	0.00
31) 4-Chloroaniline-d4	11.014	131	220825	31.282	ng/u1	0.00
46) Dimethylphthalate-d6	14.104	166	567535	34.133	ng/u1	0.00
49) Acenaphthylene-d8	14.398	160	624190	34.255	ng/u1	0.00
54) 4-Nitrophenol-d4	14.880	143	101783	35.644	ng/u1	0.01
60) Fluorene-d10	15.691	176	514033	35.314	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.802	200	94020	41.597	ng/u1	0.00
73) Anthracene-d10	17.541	188	805452	33.383	ng/u1	0.00
81) Pyrene-d10	19.821	212	884237	36.233	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.709	264	899429	35.633	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.505	88	19995	10.995	ng/uL#	83
5) Pyridine	3.904	79	132698	27.900	ng/u1	98
6) Benzaldehyde	7.206	77	109167	38.657	ng/u1	90
8) Phenol	7.242	94	212574	35.200	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.488	93	147717	32.498	ng/u1#	90
12) 2-Chlorophenol	7.629	128	137326	34.758	ng/u1	93
13) 2-Methylphenol	8.505	108	148266	35.091	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.599	45	332215	35.775	ng/u1	96
16) Acetophenone	8.898	105	252183	34.521	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.881	70	139561	35.564	ng/u1#	96
18) 4-Methylphenol	8.834	108	169677	35.845	ng/u1	97
19) Hexachloroethane	9.157	117	56297	35.537	ng/u1	85
22) Nitrobenzene	9.280	77	205644	36.717	ng/u1	97
23) Isophorone	9.803	82	399224	30.994	ng/u1	99
25) 2-Nitrophenol	9.991	139	87353	42.424	ng/u1#	77
26) 2,4-Dimethylphenol	10.038	107	149837	26.019	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.285	93	238116	32.679	ng/u1	97
29) 2,4-Dichlorophenol	10.520	162	151491	35.462	ng/u1	99
30) Naphthalene	10.937	128	512106	31.964	ng/u1	100
32) 4-Chloroaniline	11.037	127	198682	28.379	ng/u1	93
33) Hexachlorobutadiene	11.213	225	100297	33.989	ng/u1	92
34) Caprolactam	11.801	113	61086m	34.581	ng/u1	
35) 4-Chloro-3-methylphenol	12.148	107	209329	35.041	ng/u1	91
36) 2-Methylnaphthalene	12.535	142	377475	33.390	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.753	142	383389	31.784	ng/ul	87
39) 1,2,4,5-Tetrachloroben...	12.894	216	205620	33.626	ng/ul	96
40) Hexachlorocyclopentadiene	12.870	237	84999	23.362	ng/ul	95
41) 2,4,6-Trichlorophenol	13.129	196	132104	33.484	ng/ul	97
42) 2,4,5-Trichlorophenol	13.199	196	156323	36.352	ng/ul	92
43) 1,1'-Biphenyl	13.540	154	538603	34.412	ng/ul	96
44) 2-Chloronaphthalene	13.581	162	404011	33.605	ng/ul	99
45) 2-Nitroaniline	13.775	65	179087	43.514	ng/ul	91
47) Dimethylphthalate	14.151	163	531621	32.198	ng/ul	99
48) 2,6-Dinitrotoluene	14.275	165	115135	42.022	ng/ul#	91
50) Acenaphthylene	14.421	152	653074	32.107	ng/ul	99
51) 3-Nitroaniline	14.598	138	117210	41.774	ng/ul#	96
52) Acenaphthene	14.762	153	453550	32.198	ng/ul	96
53) 2,4-Dinitrophenol	14.797	184	57514	41.308	ng/ul#	82
55) 4-Nitrophenol	14.891	109	102473	34.750	ng/ul	97
56) Dibenzofuran	15.097	168	666532	33.813	ng/ul	91
57) 2,4-Dinitrotoluene	15.056	165	175666	43.193	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.314	232	138836	32.927	ng/ul#	92
59) Diethylphthalate	15.514	149	572258	33.652	ng/ul	97
61) Fluorene	15.743	166	545643	33.447	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.738	204	271458	33.519	ng/ul	97
63) 4-Nitroaniline	15.761	138	120511	40.542	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.814	198	102963	40.217	ng/ul#	97
67) N-Nitrosodiphenylamine	15.949	169	481059	35.193	ng/ul	97
68) 4-Bromophenyl-phenylether	16.631	248	197507	36.290	ng/ul	94
69) Hexachlorobenzene	16.742	284	227460	34.439	ng/ul	94
70) Atrazine	16.895	200	107830	19.750	ng/ul#	96
71) Pentachlorophenol	17.083	266	117355	29.169	ng/ul	92
72) Phenanthrene	17.488	178	899359	32.341	ng/ul	99
74) Anthracene	17.577	178	906033	31.861	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.499	216	211105	35.847	ng/ul	97
76) Pentachlorobenzene	15.009	250	250559	35.429	ng/ul	95
77) Carbazole	17.841	167	798225	33.059	ng/ul	99
78) Di-n-butylphthalate	18.405	149	1027843	35.593	ng/ul	99
80) Fluoranthene	19.492	202	1001671	35.375	ng/ul	97
82) Pyrene	19.850	202	1059864	35.202	ng/ul	97
83) Butylbenzylphthalate	20.738	149	427011	38.953	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.601	252	364540	39.461	ng/ul	96
85) Benzo(a)anthracene	21.689	228	1045590	34.094	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.601	149	625198	38.799	ng/ul	95
87) Chrysene	21.754	228	979762	33.763	ng/ul	99
89) Di-n-octyl phthalate	22.829	149	1106966	39.712	ng/ul	100
90) Benzo(b)fluoranthene	23.910	252	1089617	34.298	ng/ul	96
91) Benzo(k)fluoranthene	23.981	252	1113796	34.089	ng/ul	97
93) Benzo(a)pyrene	24.780	252	942207	30.806	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.605	276	1258782	33.028	ng/ul	99
95) Dibenzo(a,h)anthracene	28.687	278	1029147	32.473	ng/ul	97
96) Benzo(g,h,i)perylene	29.762	276	947043m	30.825	ng/ul	

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

