

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061542.D
 Acq On : 7 Jun 2024 21:01
 Operator : MA/JU
 Sample : P2640-05MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C15MS

Quant Time: Jun 07 22:21:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	25363	20.000	ng/u1	0.00
20) Naphthalene-d8	10.670	136	101947	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.512	164	76442	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.268	188	173479	20.000	ng/u1	0.00
79) Chrysene-d12	21.528	240	185478	20.000	ng/u1	0.00
88) Perylene-d12	24.636	264	213054	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	2454	5.415	ng/uL	-0.03
4) Pyridine-d5	3.731	84	27567	17.097	ng/u1	-0.04
7) Phenol-d5	7.062	99	68517	32.896	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	40945	31.276	ng/u1	0.00
11) 2-Chlorophenol-d4	7.409	132	56770	36.829	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	57418	32.330	ng/u1	0.00
21) Nitrobenzene-d5	9.030	128	29142	37.127	ng/u1	0.00
24) 2-Nitrophenol-d4	9.753	143	34436	37.486	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	73129	40.834	ng/u1	0.00
31) 4-Chloroaniline-d4	10.805	131	51481	21.973	ng/u1	0.00
46) Dimethylphthalate-d6	13.919	166	221875	37.424	ng/u1	0.00
49) Acenaphthylene-d8	14.207	160	237446	38.523	ng/u1	0.00
54) 4-Nitrophenol-d4	14.765	143	22987	31.361	ng/u1	0.00
60) Fluorene-d10	15.511	176	194471	37.993	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.658	200	37280	35.531	ng/u1	0.00
73) Anthracene-d10	17.368	188	307917	40.260	ng/u1	0.00
81) Pyrene-d10	19.659	212	325737	34.204	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.418	264	279908	27.327	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.361	88	6285	11.554	ng/uL	90
5) Pyridine	3.754	79	35159	22.047	ng/u1	84
6) Benzaldehyde	7.009	77	42582	39.099	ng/u1	89
8) Phenol	7.091	94	77814	36.667	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.291	93	54296	34.978	ng/u1	84
12) 2-Chlorophenol	7.444	128	64340	39.496	ng/u1	97
13) 2-Methylphenol	8.331	108	61769	37.557	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.396	45	118643	28.301	ng/u1#	94
16) Acetophenone	8.690	105	105076	34.667	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.678	70	52064	31.240	ng/u1	86
18) 4-Methylphenol	8.660	108	65405	35.893	ng/u1	99
19) Hexachloroethane	8.948	117	22913	31.612	ng/u1	96
22) Nitrobenzene	9.072	77	79361	36.863	ng/u1	100
23) Isophorone	9.600	82	147556	33.694	ng/u1	97
25) 2-Nitrophenol	9.788	139	40721	40.840	ng/u1	96
26) 2,4-Dimethylphenol	9.859	107	69685	35.271	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.076	93	79694	36.304	ng/u1#	97
29) 2,4-Dichlorophenol	10.329	162	73415	44.508	ng/u1	94
30) Naphthalene	10.717	128	220167	40.916	ng/u1	99
32) 4-Chloroaniline	10.828	127	53109	22.810	ng/u1	99
33) Hexachlorobutadiene	10.999	225	73915	45.845	ng/u1	96
34) Caprolactam	11.604	113	20299m	32.166	ng/u1	
35) 4-Chloro-3-methylphenol	11.986	107	77632	36.408	ng/u1	95
36) 2-Methylnaphthalene	12.332	142	152577	39.100	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.550	142	157210	39.256	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.703	216	125374	49.677	ng/ul	97
40) Hexachlorocyclopentadiene	12.673	237	10360	9.094	ng/ul	92
41) 2,4,6-Trichlorophenol	12.955	196	71906	50.582	ng/ul	99
42) 2,4,5-Trichlorophenol	13.043	196	76621	51.182	ng/ul#	96
43) 1,1'-Biphenyl	13.343	154	217610	44.025	ng/ul	99
44) 2-Chloronaphthalene	13.390	162	171417	44.067	ng/ul	99
45) 2-Nitroaniline	13.596	65	59515	37.070	ng/ul	94
47) Dimethylphthalate	13.966	163	234138	37.891	ng/ul	99
48) 2,6-Dinitrotoluene	14.095	165	48816	40.284	ng/ul	96
50) Acenaphthylene	14.236	152	275032	40.240	ng/ul	99
51) 3-Nitroaniline	14.424	138	38131	36.259	ng/ul	93
52) Acenaphthene	14.577	153	192920	43.028	ng/ul	100
53) 2,4-Dinitrophenol	14.659	184	20872m	32.481	ng/ul	
55) 4-Nitrophenol	14.777	109	28446	33.009	ng/ul	93
56) Dibenzofuran	14.912	168	272224	42.464	ng/ul	100
57) 2,4-Dinitrotoluene	14.894	165	69707	37.809	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.159	232	63943	46.832	ng/ul#	88
59) Diethylphthalate	15.335	149	221290	36.265	ng/ul	99
61) Fluorene	15.564	166	235398	42.439	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.558	204	134183	41.249	ng/ul	99
63) 4-Nitroaniline	15.599	138	42827	39.100	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.676	198	42942	39.052	ng/ul#	89
67) N-Nitrosodiphenylamine	15.775	169	194388	44.582	ng/ul	98
68) 4-Bromophenyl-phenylether	16.451	248	95169	46.300	ng/ul	94
69) Hexachlorobenzene	16.580	284	86938	38.052	ng/ul	97
70) Atrazine	16.727	200	64948	37.639	ng/ul	97
71) Pentachlorophenol	16.939	266	30973m	38.950	ng/ul	
72) Phenanthrene	17.309	178	605138	71.870	ng/ul	99
74) Anthracene	17.403	178	399517	45.891	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.314	216	118424	51.643	ng/uL	95
76) Pentachlorobenzene	14.841	250	122591	48.353	ng/uL	95
77) Carbazole	17.673	167	289838	40.931	ng/ul	99
78) Di-n-butylphthalate	18.226	149	367165	41.382	ng/ul	99
80) Fluoranthene	19.330	202	910694	79.713	ng/ul	98
82) Pyrene	19.694	202	739625	62.369	ng/ul	97
83) Butylbenzylphthalate	20.576	149	167968	41.231	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.428	252	115038	29.220	ng/ul	95
85) Benzo(a)anthracene	21.510	228	742485	58.015	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.416	149	244022	40.467	ng/ul#	98
87) Chrysene	21.575	228	714668	60.646	ng/ul	98
89) Di-n-octyl phthalate	22.579	149	407708	38.250	ng/ul	100
90) Benzo(b)fluoranthene	23.654	252	797676	62.883	ng/ul	99
91) Benzo(k)fluoranthene	23.719	252	617111	47.921	ng/ul	97
93) Benzo(a)pyrene	24.489	252	366831	30.454	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.173	276	567633m	38.968	ng/ul	
95) Dibenzo(a,h)anthracene	28.214	278	522800	43.527	ng/ul	98
96) Benzo(g,h,i)perylene	29.254	276	53170m	4.588	ng/ul	

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

