

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063007.D
 Acq On : 24 Sep 2024 00:25
 Operator : RC/JU
 Sample : P3879-07MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DDC59MSD

Quant Time: Sep 24 01:34:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 18 00:45:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	30221	20.000	ng/u1	0.00
20) Naphthalene-d8	10.655	136	74799	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.497	164	86725	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.259	188	179821	20.000	ng/u1	# 0.02
79) Chrysene-d12	21.495	240	234557	20.000	ng/u1	# 0.01
88) Perylene-d12	24.532	264	260845	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	4315	4.182	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.135	99	57908m	18.466	ng/u1	0.10
9) Bis-(2-Chloroethyl)eth...	7.194	67	55240	31.478	ng/u1	0.01
11) 2-Chlorophenol-d4	7.429	132	74674	36.270	ng/u1	0.04
15) 4-Methylphenol-d8	8.628	113	50653m	22.049	ng/u1	0.06
21) Nitrobenzene-d5	9.027	128	21746	36.493	ng/u1	0.02
24) 2-Nitrophenol-d4	9.744	143	24436	36.146	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.314	165	59947	42.739	ng/u1	0.05
31) 4-Chloroaniline-d4	10.772	131	7374	4.224	ng/u1	0.00
46) Dimethylphthalate-d6	13.921	166	202941	31.468	ng/u1	0.03
49) Acenaphthylene-d8	14.192	160	247451	34.354	ng/u1	0.01
54) 4-Nitrophenol-d4	14.756	143	21059m	20.377	ng/u1	0.06
60) Fluorene-d10	15.496	176	245418	40.869	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.619	200	112377m	103.381	ng/u1	0.02
73) Anthracene-d10	17.359	188	318828	37.515	ng/u1	0.02
81) Pyrene-d10	19.638	212	502740	35.388	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.333	264	538113	39.117	ng/u1	0.02
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.363	88	5645	5.529	ng/uL	91
6) Benzaldehyde	7.006	77	60028	34.975	ng/u1#	1
8) Phenol	7.170	94	65702m	20.084	ng/u1	
10) Bis(2-Chloroethyl)ether	7.294	93	63257	28.600	ng/u1	99
12) 2-Chlorophenol	7.464	128	79477	37.607	ng/u1#	92
13) 2-Methylphenol	8.357	108	54663	24.158	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.393	45	49493	18.035	ng/u1	99
16) Acetophenone	8.692	105	147800	40.902	ng/u1#	68
17) N-Nitroso-di-n-propyla...	8.675	70	47012	22.280	ng/u1#	60
18) 4-Methylphenol	8.686	108	53722	21.693	ng/u1	94
19) Hexachloroethane	8.939	117	31182m	34.731	ng/u1	
22) Nitrobenzene	9.062	77	74461	42.089	ng/u1#	92
23) Isophorone	9.603	82	571745	162.283	ng/u1#	94
25) 2-Nitrophenol	9.773	139	28377	38.225	ng/u1#	54
26) 2,4-Dimethylphenol	9.873	107	70666m	42.487	ng/u1	
27) Bis(2-Chloroethoxy)met...	10.067	93	57374	30.633	ng/u1#	83
29) 2,4-Dichlorophenol	10.337	162	93567	67.387	ng/u1	89
30) Naphthalene	10.707	128	373851	90.015	ng/u1#	93
33) Hexachlorobutadiene	10.990	225	53225	47.959	ng/u1	91
35) 4-Chloro-3-methylphenol	12.006	107	84122	52.713	ng/u1	94
36) 2-Methylnaphthalene	12.317	142	237211	79.259	ng/u1	95
37) 1-Methylnaphthalene	12.541	142	199845	65.980	ng/u1#	94
39) 1,2,4,5-Tetrachloroben...	12.688	216	97283	31.651	ng/u1#	98
40) Hexachlorocyclopentadiene	12.664	237	64751	39.711	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,6-Trichlorophenol	12.964	196	101201m	52.840	ng/ul	
42) 2,4,5-Trichlorophenol	13.052	196	102278m	50.832	ng/ul	
43) 1,1'-Biphenyl	13.334	154	199643	30.990	ng/ul#	95
44) 2-Chloronaphthalene	13.375	162	149729	28.919	ng/ul	97
45) 2-Nitroaniline	13.604	65	35476	20.267	ng/ul	97
47) Dimethylphthalate	13.963	163	218108	33.055	ng/ul	100
48) 2,6-Dinitrotoluene	14.086	165	48601	38.602	ng/ul#	72
50) Acenaphthylene	14.221	152	260116	34.301	ng/ul	95
52) Acenaphthene	14.568	153	204901	37.200	ng/ul	99
53) 2,4-Dinitrophenol	14.615	184	35135	46.722	ng/ul#	86
56) Dibenzofuran	14.897	168	329620	40.353	ng/ul	97
57) 2,4-Dinitrotoluene	14.867	165	80883	42.624	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	15.173	232	3559486	1965.869	ng/ul	95
59) Diethylphthalate	15.326	149	263173	35.846	ng/ul	95
61) Fluorene	15.555	166	264994	42.399	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.543	204	155898	45.204	ng/ul#	89
66) 4,6-Dinitro-2-methylph...	15.643	198	228863	196.816	ng/ul#	76
67) N-Nitrosodiphenylamine	15.755	169	158152	31.318	ng/ul	95
68) 4-Bromophenyl-phenylether	16.436	248	107842	53.944	ng/ul	99
69) Hexachlorobenzene	16.554	284	129672	56.179	ng/ul	96
70) Atrazine	16.765	200	73221	34.958	ng/ul	97
71) Pentachlorophenol	16.977	266	9254297	7031.022	ng/ul#	79
72) Phenanthrene	17.306	178	399959	41.868	ng/ul	99
74) Anthracene	17.394	178	382535	38.780	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.293	216	100345	36.594	ng/ul	95
76) Pentachlorobenzene	14.820	250	145196	50.169	ng/ul	95
77) Carbazole	17.658	167	251897	32.076	ng/ul#	97
78) Di-n-butylphthalate	18.210	149	441598	43.720	ng/ul#	96
80) Fluoranthene	19.303	202	563223	36.329	ng/ul#	91
82) Pyrene	19.668	202	582486	35.242	ng/ul#	90
83) Butylbenzylphthalate	20.561	149	196470	34.202	ng/ul	92
85) Benzo(a)anthracene	21.477	228	629115	37.861	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.395	149	286998	34.580	ng/ul#	96
87) Chrysene	21.542	228	597702	38.444	ng/ul	99
89) Di-n-octyl phthalate	22.541	149	488806	35.384	ng/ul	100
90) Benzo(b)fluoranthene	23.581	252	689215	43.401	ng/ul#	96
91) Benzo(k)fluoranthene	23.639	252	661965	41.840	ng/ul#	97
93) Benzo(a)pyrene	24.397	252	587825	39.376	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	27.970	276	821714	44.920	ng/ul#	88
95) Dibenzo(a,h)anthracene	28.022	278	666966	45.610	ng/ul#	91
96) Benzo(g,h,i)perylene	29.039	276	614496	43.750	ng/ul#	93

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

