

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091024\
 Data File : BG062699.D
 Acq On : 10 Sep 2024 12:58
 Operator : JU/RC
 Sample : P3391-03
 Misc : MDL-SOIL-Q3-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Sep 10 13:37:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 01:28:17 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

09/12/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.897	152	61197	20.000	ng/u1	0.00
20) Naphthalene-d8	10.694	136	267857	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.531	164	217683	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.274	188	594945	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	664617	20.000	ng/u1	0.00
88) Perylene-d12	24.589	264	661830	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	7256	5.360	ng/uL	-0.01
4) Pyridine-d5	3.761	84	98650	22.892	ng/u1	0.00
7) Phenol-d5	7.063	99	115382	21.501	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.227	67	70987	22.064	ng/u1	0.00
11) 2-Chlorophenol-d4	7.433	132	83692	21.411	ng/u1	0.00
15) 4-Methylphenol-d8	8.602	113	87990	19.676	ng/u1	0.00
21) Nitrobenzene-d5	9.049	128	43791	22.874	ng/u1	0.00
24) 2-Nitrophenol-d4	9.777	143	48025	22.938	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.312	165	96994	21.272	ng/u1	0.00
31) 4-Chloroaniline-d4	10.829	131	131438	20.971	ng/u1	0.00
46) Dimethylphthalate-d6	13.937	166	384222	22.921	ng/u1	0.00
49) Acenaphthylene-d8	14.225	160	417067	22.402	ng/u1	0.00
54) 4-Nitrophenol-d4	14.724	143	61718	21.673	ng/u1	0.00
60) Fluorene-d10	15.524	176	354195	23.448	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.641	200	66641	19.473	ng/u1	0.00
73) Anthracene-d10	17.374	188	553311	19.706	ng/u1	0.00
81) Pyrene-d10	19.666	212	826837	22.108	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.378	264	792270	22.671	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.391	88	1751m	1.154	ng/uL	
5) Pyridine	3.778	79	18664	4.129	ng/u1#	55
6) Benzaldehyde	7.039	77	13604	4.611	ng/u1	88
8) Phenol	7.086	94	21630	3.878	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.321	93	17078	4.050	ng/u1	98
12) 2-Chlorophenol	7.462	128	16081	4.024	ng/u1#	93
13) 2-Methylphenol	8.344	108	14932	3.570	ng/u1	86
14) 2,2'-oxybis(1-Chloropr...	8.426	45	31252	4.117	ng/u1#	96
16) Acetophenone	8.720	105	29293	4.030	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.696	70	14643	3.849	ng/u1#	96
18) 4-Methylphenol	8.667	108	16420	3.489	ng/u1	96
19) Hexachloroethane	8.978	117	7315	4.547	ng/u1#	82
22) Nitrobenzene	9.096	77	22389	4.323	ng/u1#	97
23) Isophorone	9.613	82	43989	4.154	ng/u1	99
25) 2-Nitrophenol	9.807	139	9530	4.130	ng/u1	94
26) 2,4-Dimethylphenol	9.871	107	7672	1.556	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.100	93	26211	4.429	ng/u1	97
29) 2,4-Dichlorophenol	10.341	162	18191	4.051	ng/u1	94
30) Naphthalene	10.741	128	62143	4.327	ng/u1	96
32) 4-Chloroaniline	10.847	127	23881	3.831	ng/u1	99
33) Hexachlorobutadiene	11.029	225	16495	4.409	ng/u1	88
34) Caprolactam	11.616	113	7324m	4.425	ng/u1	
35) 4-Chloro-3-methylphenol	11.975	107	17640	3.601	ng/u1	97
36) 2-Methylnaphthalene	12.351	142	44023	4.153	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.574	142	47014	4.330	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.721	216	30183	4.033	ng/ul	95
40) Hexachlorocyclopentadiene	12.703	237	17081	4.461	ng/ul	98
41) 2,4,6-Trichlorophenol	12.962	196	17952	3.960	ng/ul	94
42) 2,4,5-Trichlorophenol	13.038	196	18572	3.816	ng/ul	91
43) 1,1'-Biphenyl	13.361	154	64860	4.237	ng/ul	96
44) 2-Chloronaphthalene	13.402	162	52853	4.246	ng/ul	97
45) 2-Nitroaniline	13.608	65	12244	3.585	ng/ul	97
47) Dimethylphthalate	13.984	163	75358	4.365	ng/ul	97
48) 2,6-Dinitrotoluene	14.102	165	11650	3.830	ng/ul	99
50) Acenaphthylene	14.249	152	87691	4.461	ng/ul	97
51) 3-Nitroaniline	14.431	138	11441	3.757	ng/ul	99
52) Acenaphthene	14.595	153	59098	4.245	ng/ul	94
53) 2,4-Dinitrophenol	14.636	184	11240	5.597	ng/ul	86
55) 4-Nitrophenol	14.736	109	11152	4.357	ng/ul	88
56) Dibenzofuran	14.930	168	89080	4.307	ng/ul	96
57) 2,4-Dinitrotoluene	14.889	165	18677	3.928	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.159	232	20487	4.154	ng/ul	94
59) Diethylphthalate	15.347	149	75615	4.440	ng/ul	99
61) Fluorene	15.576	166	71360	4.392	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.576	204	42900	4.501	ng/ul	94
63) 4-Nitroaniline	15.588	138	13546	4.134	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	15.653	198	14383	4.054	ng/ul#	92
67) N-Nitrosodiphenylamine	15.788	169	62832	4.118	ng/ul	98
68) 4-Bromophenyl-phenylether	16.469	248	27860	4.069	ng/ul	97
69) Hexachlorobenzene	16.587	284	32471	4.154	ng/ul	98
70) Atrazine	16.734	200	29270	4.307	ng/ul#	95
71) Pentachlorophenol	16.928	266	28608	6.119	ng/ul	89
72) Phenanthrene	17.321	178	136735	4.420	ng/ul	99
74) Anthracene	17.410	178	122672	3.889	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.326	216	30602	3.767	ng/ul	96
76) Pentachlorobenzene	14.848	250	36856	4.094	ng/ul	92
77) Carbazole	17.680	167	110947	4.242	ng/ul	100
78) Di-n-butylphthalate	18.244	149	130709	4.226	ng/ul	99
80) Fluoranthene	19.331	202	174297	4.208	ng/ul	98
82) Pyrene	19.695	202	193075	4.330	ng/ul	99
83) Butylbenzylphthalate	20.588	149	51595	3.898	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.422	252	60962	4.357	ng/ul	92
85) Benzo(a)anthracene	21.505	228	191905	4.152	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.422	149	78101	4.007	ng/ul	97
87) Chrysene	21.563	228	188192	4.291	ng/ul	99
89) Di-n-octyl phthalate	22.580	149	125774	4.086	ng/ul	100
90) Benzo(b)fluoranthene	23.614	252	173057m	4.235	ng/ul	
91) Benzo(k)fluoranthene	23.679	252	191922	4.587	ng/ul	98
93) Benzo(a)pyrene	24.442	252	168218	4.365	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.032	276	193557	4.076	ng/ul	96
95) Dibenzo(a,h)anthracene	28.097	278	164711	4.318	ng/ul	99
96) Benzo(g,h,i)perylene	29.108	276	162470	4.430	ng/ul	98

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

