

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112224\
 Data File : BG063516.D
 Acq On : 22 Nov 2024 12:25
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 22 13:00:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
 Supervised By :mohammad ahmed 11/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	101978	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	408786	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.474	164	314265	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	785473	20.000	ng/u1	0.00
79) Chrysene-d12	21.484	240	889546	20.000	ng/u1	0.00
88) Perylene-d12	24.533	264	945476	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	8145	3.152	ng/uL	0.00
4) Pyridine-d5	3.704	84	88101	10.879	ng/u1	0.00
7) Phenol-d5	7.006	99	102757	12.252	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.165	67	68705	12.772	ng/u1	0.00
11) 2-Chlorophenol-d4	7.365	132	76477	12.867	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	88326	12.602	ng/u1	0.00
21) Nitrobenzene-d5	8.986	128	36736	12.514	ng/u1	0.00
24) 2-Nitrophenol-d4	9.703	143	45119	12.441	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	85639	12.372	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	113065	12.914	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	301621	14.138	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	336151	13.817	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	31947	10.078	ng/u1	0.00
60) Fluorene-d10	15.467	176	268279	13.840	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.596	200	49431	11.194	ng/u1	0.00
73) Anthracene-d10	17.324	188	462943	13.566	ng/u1	0.00
81) Pyrene-d10	19.627	212	624558	14.007	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.316	264	621421	13.551	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	3247m	1.064	ng/uL	
5) Pyridine	3.728	79	29181	3.541	ng/u1	90
6) Benzaldehyde	6.977	77	22529	4.693	ng/u1	96
8) Phenol	7.036	94	37390	4.088	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.253	93	26656	4.038	ng/u1#	83
12) 2-Chlorophenol	7.400	128	24413	3.848	ng/u1#	84
13) 2-Methylphenol	8.276	108	27797	4.085	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.352	45	40446	4.182	ng/u1	98
16) Acetophenone	8.646	105	46079	4.162	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.628	70	24041	3.886	ng/u1#	77
18) 4-Methylphenol	8.605	108	29817	3.995	ng/u1	100
19) Hexachloroethane	8.910	117	12046	4.396	ng/u1	93
22) Nitrobenzene	9.028	77	39383	4.373	ng/u1#	88
23) Isophorone	9.545	82	68196	4.147	ng/u1#	94
25) 2-Nitrophenol	9.733	139	15441	4.292	ng/u1	89
26) 2,4-Dimethylphenol	9.803	107	30289	3.905	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.032	93	38713	4.253	ng/u1#	91
29) 2,4-Dichlorophenol	10.279	162	27410	4.053	ng/u1	98
30) Naphthalene	10.673	128	95467	4.569	ng/u1	99
32) 4-Chloroaniline	10.778	127	36420	4.353	ng/u1	99
33) Hexachlorobutadiene	10.955	225	27774	4.604	ng/u1#	84
34) Caprolactam	11.536	113	9841m	4.318	ng/u1	
35) 4-Chloro-3-methylphenol	11.918	107	30257	4.396	ng/u1	90
36) 2-Methylnaphthalene	12.288	142	67061	4.521	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	62356	4.004	ng/ul#	85
39) 1,2,4,5-Tetrachloroben...	12.659	216	50539	4.576	ng/ul#	81
40) Hexachlorocyclopentadiene	12.635	237	24149	5.127	ng/ul#	94
41) 2,4,6-Trichlorophenol	12.900	196	23417	3.864	ng/ul#	81
42) 2,4,5-Trichlorophenol	12.982	196	24019	3.841	ng/ul	92
43) 1,1'-Biphenyl	13.299	154	99078	4.750	ng/ul#	95
44) 2-Chloronaphthalene	13.340	162	73443	4.481	ng/ul	93
45) 2-Nitroaniline	13.558	65	22861	4.426	ng/ul	91
47) Dimethylphthalate	13.922	163	98975	4.762	ng/ul#	93
48) 2,6-Dinitrotoluene	14.045	165	19186	4.550	ng/ul#	74
50) Acenaphthylene	14.192	152	115850	4.737	ng/ul	97
51) 3-Nitroaniline	14.380	138	16912	4.379	ng/ul#	82
52) Acenaphthene	14.533	153	82363	4.663	ng/ul	98
53) 2,4-Dinitrophenol	14.609	184	10354m	4.782	ng/ul	
55) 4-Nitrophenol	14.715	109	15432m	4.189	ng/ul	
56) Dibenzofuran	14.874	168	120066	4.737	ng/ul	91
57) 2,4-Dinitrotoluene	14.844	165	30245	4.687	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.109	232	23110	3.889	ng/ul#	91
59) Diethylphthalate	15.291	149	96740	4.608	ng/ul	95
61) Fluorene	15.526	166	100799	4.672	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.520	204	61696	4.793	ng/ul	94
63) 4-Nitroaniline	15.549	138	16967	4.291	ng/ul#	77
66) 4,6-Dinitro-2-methylph...	15.614	198	20516	4.348	ng/ul#	94
67) N-Nitrosodiphenylamine	15.732	169	82854	4.443	ng/ul	95
68) 4-Bromophenyl-phenylether	16.413	248	38830	4.412	ng/ul	95
69) Hexachlorobenzene	16.536	284	41586	4.507	ng/ul#	91
70) Atrazine	16.683	200	43181	4.793	ng/ul	94
71) Pentachlorophenol	16.889	266	18676m	4.328	ng/ul	
72) Phenanthrene	17.265	178	171203	4.572	ng/ul	97
74) Anthracene	17.359	178	172391	4.509	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.264	216	45032	3.940	ng/ul	98
76) Pentachlorobenzene	14.797	250	47075	4.171	ng/ul	97
77) Carbazole	17.635	167	146056	4.604	ng/ul	98
78) Di-n-butylphthalate	18.193	149	159674	4.391	ng/ul	99
80) Fluoranthene	19.292	202	222124	4.505	ng/ul	99
82) Pyrene	19.656	202	246671	4.669	ng/ul	98
83) Butylbenzylphthalate	20.549	149	73220	4.271	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.390	252	87202	4.563	ng/ul	98
85) Benzo(a)anthracene	21.466	228	269064	4.678	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.384	149	107812	4.326	ng/ul	99
87) Chrysene	21.531	228	251346	4.673	ng/ul	97
89) Di-n-octyl phthalate	22.529	149	184221	4.391	ng/ul	100
90) Benzo(b)fluoranthene	23.569	252	255042	4.493	ng/ul	99
91) Benzo(k)fluoranthene	23.628	252	264174	4.638	ng/ul	98
93) Benzo(a)pyrene	24.380	252	238860	4.496	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.947	276	292892m	4.445	ng/ul	
95) Dibenzo(a,h)anthracene	28.005	278	234306	4.349	ng/ul#	96
96) Benzo(g,h,i)perylene	29.028	276	232031m	4.644	ng/ul	

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

