

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011524\
 Data File : BM043837.D
 Acq On : 15 Jan 2024 12:06
 Operator : MA/JU
 Sample : 04696-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Jan 16 01:25:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 10 01:07:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	255503	20.000	ng/u1	0.00
20) Naphthalene-d8	10.751	136	1164262	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.586	164	741922	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.339	188	1571724	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1360134	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	1447079	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	35192	5.318	ng/uL	0.00
4) Pyridine-d5	3.775	84	516857	25.356	ng/u1	0.00
7) Phenol-d5	7.116	99	594291	22.984	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	394713	24.496	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	456815	24.286	ng/u1	0.00
15) 4-Methylphenol-d8	8.663	113	468134	22.728	ng/u1	-0.01
21) Nitrobenzene-d5	9.122	128	233574	23.938	ng/u1	0.00
24) 2-Nitrophenol-d4	9.846	143	255760	23.278	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	447375	22.737	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	668624	21.456	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	1454684	23.408	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	1735484	24.517	ng/u1	0.00
54) 4-Nitrophenol-d4	14.816	143	241457	19.865	ng/u1	-0.01
60) Fluorene-d10	15.586	176	1306327	24.978	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.722	200	204279	18.408	ng/u1	0.00
73) Anthracene-d10	17.439	188	1905543	23.824	ng/u1	0.00
81) Pyrene-d10	19.733	212	2132090	25.379	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	1989243	24.903	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	7465	1.075	ng/uL#	94
5) Pyridine	3.805	79	82987	3.968	ng/u1#	62
6) Benzaldehyde	7.099	77	68403m	6.703	ng/u1	
8) Phenol	7.140	94	97592	3.758	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.381	93	82816	3.955	ng/u1	97
12) 2-Chlorophenol	7.505	128	77748	3.982	ng/u1	92
13) 2-Methylphenol	8.399	108	68088	3.404	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.475	45	147321	4.173	ng/u1	99
16) Acetophenone	8.787	105	122982	3.851	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.763	70	69175	3.919	ng/u1	97
18) 4-Methylphenol	8.728	108	78356	3.605	ng/u1	90
19) Hexachloroethane	9.010	117	34416	4.068	ng/u1	93
22) Nitrobenzene	9.163	77	97618	4.012	ng/u1	99
23) Isophorone	9.693	82	176402	3.535	ng/u1	98
25) 2-Nitrophenol	9.875	139	44659	3.846	ng/u1	95
26) 2,4-Dimethylphenol	9.934	107	81790	3.631	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.181	93	113768	3.844	ng/u1	99
29) 2,4-Dichlorophenol	10.410	162	73718	3.779	ng/u1	95
30) Naphthalene	10.804	128	271215	4.004	ng/u1	99
32) 4-Chloroaniline	10.934	127	110044	3.634	ng/u1	99
33) Hexachlorobutadiene	11.069	225	43646	3.999	ng/u1	98
34) Caprolactam	11.757	113	39259	5.590	ng/u1	99
35) 4-Chloro-3-methylphenol	12.063	107	74791	3.460	ng/u1	95
36) 2-Methylnaphthalene	12.416	142	180144	3.815	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.634	142	187347	3.979	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.781	216	81811	3.708	ng/ul	98
40) Hexachlorocyclopentadiene	12.739	237	62906	4.263	ng/ul	99
41) 2,4,6-Trichlorophenol	13.034	196	50212	3.205	ng/ul	99
42) 2,4,5-Trichlorophenol	13.110	196	54858	3.298	ng/ul	95
43) 1,1'-Biphenyl	13.428	154	239645	3.783	ng/ul	99
44) 2-Chloronaphthalene	13.469	162	186772	3.826	ng/ul	100
45) 2-Nitroaniline	13.698	65	51113	3.318	ng/ul	91
47) Dimethylphthalate	14.057	163	238780	3.822	ng/ul	100
48) 2,6-Dinitrotoluene	14.192	165	39183	3.165	ng/ul	96
50) Acenaphthylene	14.310	152	321806	3.893	ng/ul	100
51) 3-Nitroaniline	14.528	138	39721	3.034	ng/ul	90
52) Acenaphthene	14.651	153	212525	3.877	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	45193	5.874	ng/ul	94
55) 4-Nitrophenol	14.833	109	32200	3.472	ng/ul	94
56) Dibenzofuran	14.992	168	283945	3.855	ng/ul	100
57) 2,4-Dinitrotoluene	14.980	165	60431	3.313	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.222	232	46073	3.324	ng/ul	98
59) Diethylphthalate	15.416	149	238657	3.584	ng/ul	99
61) Fluorene	15.639	166	239534	3.794	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.633	204	110722	3.746	ng/ul	96
63) 4-Nitroaniline	15.686	138	36907m	3.509	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.739	198	45347	3.796	ng/ul#	84
67) N-Nitrosodiphenylamine	15.857	169	191876	3.710	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	62691	3.565	ng/ul	98
69) Hexachlorobenzene	16.633	284	77161	3.719	ng/ul	95
70) Atrazine	16.816	200	84644	4.524	ng/ul	97
71) Pentachlorophenol	16.992	266	64512	4.946	ng/ul	99
72) Phenanthrene	17.380	178	370370	3.837	ng/ul	100
74) Anthracene	17.474	178	357380	3.638	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	83062	3.770	ng/uL	99
76) Pentachlorobenzene	14.904	250	90862	4.041	ng/uL	98
77) Carbazole	17.763	167	311216	3.418	ng/ul	100
78) Di-n-butylphthalate	18.316	149	380219	3.075	ng/ul	99
80) Fluoranthene	19.404	202	386463	3.760	ng/ul	100
82) Pyrene	19.763	202	430497	4.041	ng/ul	98
83) Butylbenzylphthalate	20.668	149	158757	3.152	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	105780	3.230	ng/ul	97
85) Benzo(a)anthracene	21.515	228	390673	3.762	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	240116	2.993	ng/ul	99
87) Chrysene	21.568	228	363310	3.875	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	387142	2.874	ng/ul	100
90) Benzo(b)fluoranthene	23.209	252	372242	3.670	ng/ul	99
91) Benzo(k)fluoranthene	23.262	252	367904	3.683	ng/ul	99
93) Benzo(a)pyrene	23.845	252	354213	3.815	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.474	276	393025	3.709	ng/ul	99
95) Dibenzo(a,h)anthracene	26.497	278	324553	3.697	ng/ul	98
96) Benzo(g,h,i)perylene	27.250	276	313408	3.895	ng/ul	98

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

