

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011524\
 Data File : BM043838.D
 Acq On : 15 Jan 2024 12:49
 Operator : MA/JU
 Sample : 04696-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 16 01:25:56 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	236075	20.000	ng/u1	0.00
20) Naphthalene-d8	10.751	136	1086952	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.586	164	708131	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.339	188	1510038	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1328772	20.000	ng/u1	0.00
88) Perylene-d12	23.950	264	1428014	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	33255	5.439	ng/uL	0.00
4) Pyridine-d5	3.775	84	464347	24.654	ng/u1	0.00
7) Phenol-d5	7.110	99	548484	22.958	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.281	67	370957	24.917	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.469	132	422982	24.338	ng/u1	-0.01
15) 4-Methylphenol-d8	8.663	113	440735	23.159	ng/u1	-0.01
21) Nitrobenzene-d5	9.122	128	220633	24.220	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	240530	23.449	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	415107	22.598	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	627413	21.565	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	1385000	23.350	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	1646708	24.373	ng/u1	0.00
54) 4-Nitrophenol-d4	14.816	143	229995	19.825	ng/u1	-0.01
60) Fluorene-d10	15.586	176	1249795	25.038	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.722	200	193427	18.143	ng/u1	0.00
73) Anthracene-d10	17.445	188	1801698	23.446	ng/u1	0.00
81) Pyrene-d10	19.733	212	2053415	25.020	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	1959833	24.862	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	6946	1.083	ng/uL#	83
5) Pyridine	3.805	79	75876	3.926	ng/u1#	58
6) Benzaldehyde	7.099	77	62774m	6.657	ng/u1	
8) Phenol	7.140	94	91610	3.818	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.381	93	77749	4.019	ng/u1	98
12) 2-Chlorophenol	7.505	128	71402	3.958	ng/u1	96
13) 2-Methylphenol	8.399	108	62489	3.381	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.475	45	135732	4.161	ng/u1	96
16) Acetophenone	8.787	105	114805	3.891	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.769	70	64381	3.947	ng/u1	96
18) 4-Methylphenol	8.728	108	73928	3.682	ng/u1	93
19) Hexachloroethane	9.010	117	32370	4.141	ng/u1	94
22) Nitrobenzene	9.163	77	92344	4.066	ng/u1	100
23) Isophorone	9.693	82	169783	3.644	ng/u1	98
25) 2-Nitrophenol	9.875	139	41229	3.803	ng/u1	94
26) 2,4-Dimethylphenol	9.934	107	76605	3.643	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.181	93	105773	3.828	ng/u1	99
29) 2,4-Dichlorophenol	10.410	162	68980	3.788	ng/u1	90
30) Naphthalene	10.804	128	254162	4.019	ng/u1	99
32) 4-Chloroaniline	10.934	127	103485	3.660	ng/u1	100
33) Hexachlorobutadiene	11.069	225	40607	3.985	ng/u1	97
34) Caprolactam	11.757	113	35727	5.449	ng/u1	91
35) 4-Chloro-3-methylphenol	12.063	107	69686	3.453	ng/u1	99
36) 2-Methylnaphthalene	12.416	142	168792	3.829	ng/u1	99

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37) 1-Methylnaphthalene	12.634	142	179311	4.079	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.781	216	80311	3.813	ng/ul	96
40) Hexachlorocyclopentadiene	12.739	237	57582	4.088	ng/ul	99
41) 2,4,6-Trichlorophenol	13.034	196	48559	3.247	ng/ul	95
42) 2,4,5-Trichlorophenol	13.110	196	53179	3.349	ng/ul	95
43) 1,1'-Biphenyl	13.428	154	230037	3.804	ng/ul	100
44) 2-Chloronaphthalene	13.469	162	179294	3.848	ng/ul	98
45) 2-Nitroaniline	13.698	65	48728	3.314	ng/ul	96
47) Dimethylphthalate	14.057	163	228056	3.825	ng/ul	99
48) 2,6-Dinitrotoluene	14.192	165	36321	3.074	ng/ul#	81
50) Acenaphthylene	14.310	152	304011	3.853	ng/ul	99
51) 3-Nitroaniline	14.528	138	38572	3.087	ng/ul#	98
52) Acenaphthene	14.651	153	204960	3.917	ng/ul	98
53) 2,4-Dinitrophenol	14.739	184	44569	6.070	ng/ul	95
55) 4-Nitrophenol	14.833	109	31006	3.503	ng/ul	95
56) Dibenzofuran	14.992	168	274860	3.910	ng/ul	98
57) 2,4-Dinitrotoluene	14.980	165	56573	3.250	ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	15.222	232	44106	3.334	ng/ul	97
59) Diethylphthalate	15.416	149	226769	3.568	ng/ul	98
61) Fluorene	15.639	166	232835	3.864	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.633	204	103906	3.683	ng/ul	98
63) 4-Nitroaniline	15.692	138	37286	3.714	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.739	198	43163	3.761	ng/ul#	81
67) N-Nitrosodiphenylamine	15.857	169	181333	3.649	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	60634	3.589	ng/ul	98
69) Hexachlorobenzene	16.633	284	73365	3.681	ng/ul	98
70) Atrazine	16.816	200	81122	4.513	ng/ul	97
71) Pentachlorophenol	16.992	266	60663	4.841	ng/ul	100
72) Phenanthrene	17.386	178	352633	3.803	ng/ul	99
74) Anthracene	17.474	178	347989	3.687	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	77783	3.674	ng/uL	97
76) Pentachlorobenzene	14.904	250	86848	4.021	ng/uL	98
77) Carbazole	17.763	167	294054	3.361	ng/ul	99
78) Di-n-butylphthalate	18.316	149	363337	3.058	ng/ul	99
80) Fluoranthene	19.404	202	374465	3.729	ng/ul	99
82) Pyrene	19.763	202	414165	3.980	ng/ul	98
83) Butylbenzylphthalate	20.668	149	152294	3.095	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.457	252	103186	3.226	ng/ul	96
85) Benzo(a)anthracene	21.515	228	385683	3.801	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	235627	3.007	ng/ul	99
87) Chrysene	21.568	228	351602	3.839	ng/ul	100
89) Di-n-octyl phthalate	22.386	149	377436	2.839	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	362418	3.621	ng/ul	98
91) Benzo(k)fluoranthene	23.262	252	361323	3.665	ng/ul	99
93) Benzo(a)pyrene	23.845	252	343722	3.752	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.480	276	407422	3.897	ng/ul	99
95) Dibenzo(a,h)anthracene	26.497	278	328085	3.787	ng/ul	98
96) Benzo(g,h,i)perylene	27.256	276	319453	4.023	ng/ul	99

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

