

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
 Data File : BM042293.D
 Acq On : 16 Oct 2023 11:25
 Operator : MA/JU
 Sample : 02215-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2023-04

Quant Time: Oct 16 12:02:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 15:38:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	106023	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	484597	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	293156	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.409	188	638652	20.000	ng/u1	0.00
79) Chrysene-d12	21.591	240	623747	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	694541	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	23403	6.897	ng/uL	0.00
4) Pyridine-d5	3.804	84	304508	30.301	ng/u1	0.00
7) Phenol-d5	7.163	99	332716	28.316	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	235461	29.658	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	231758	28.672	ng/u1	0.00
15) 4-Methylphenol-d8	8.722	113	255300	27.436	ng/u1	0.00
21) Nitrobenzene-d5	9.216	128	118995	28.913	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	124172	28.224	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	219775	27.374	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	341945	27.050	ng/u1	0.00
46) Dimethylphthalate-d6	14.068	166	726604	28.592	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	820737	29.509	ng/u1	0.00
54) 4-Nitrophenol-d4	14.868	143	140008	27.392	ng/u1	0.00
60) Fluorene-d10	15.651	176	617650	29.566	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	102048	22.810	ng/u1	0.00
73) Anthracene-d10	17.509	188	949870	29.034	ng/u1	0.00
81) Pyrene-d10	19.797	212	1114010	29.304	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.909	264	1162187	30.485	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	4442	1.194	ng/uL	100
5) Pyridine	3.828	79	50591	4.863	ng/u1#	69
6) Benzaldehyde	7.175	77	39194	6.525	ng/u1	97
8) Phenol	7.192	94	54522	4.595	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.451	93	47370	4.807	ng/u1	99
12) 2-Chlorophenol	7.569	128	38770	4.592	ng/u1	99
13) 2-Methylphenol	8.457	108	35765	4.038	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.528	45	80812m	4.810	ng/u1	
16) Acetophenone	8.863	105	67034	4.640	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.828	70	38239	4.472	ng/u1	96
18) 4-Methylphenol	8.786	108	41656	4.268	ng/u1	97
19) Hexachloroethane	9.086	117	16715	4.693	ng/u1	95
22) Nitrobenzene	9.257	77	56964	4.894	ng/u1	95
23) Isophorone	9.769	82	95305	4.222	ng/u1	99
25) 2-Nitrophenol	9.957	139	21582	4.483	ng/u1	93
26) 2,4-Dimethylphenol	9.998	107	44413	4.341	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.251	93	66767	4.731	ng/u1	98
29) 2,4-Dichlorophenol	10.475	162	34167	4.357	ng/u1	93
30) Naphthalene	10.886	128	133088	4.685	ng/u1	99
32) 4-Chloroaniline	11.022	127	56791	4.648	ng/u1	99
33) Hexachlorobutadiene	11.116	225	20774	4.589	ng/u1	97
34) Caprolactam	11.845	113	17812	6.221	ng/u1	93
35) 4-Chloro-3-methylphenol	12.116	107	37542	3.887	ng/u1	97
36) 2-Methylnaphthalene	12.492	142	87469	4.499	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	90595	4.610	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.839	216	41231	4.467	ng/ul	95
40) Hexachlorocyclopentadiene	12.786	237	34801	5.825	ng/ul	98
41) 2,4,6-Trichlorophenol	13.092	196	23640	3.830	ng/ul	95
42) 2,4,5-Trichlorophenol	13.163	196	27010	4.077	ng/ul	96
43) 1,1'-Biphenyl	13.492	154	117553	4.679	ng/ul	98
44) 2-Chloronaphthalene	13.545	162	90648	4.707	ng/ul	100
45) 2-Nitroaniline	13.774	65	26366	3.808	ng/ul	97
47) Dimethylphthalate	14.115	163	117452	4.645	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	16704	3.649	ng/ul	96
50) Acenaphthylene	14.386	152	152565	4.750	ng/ul	99
51) 3-Nitroaniline	14.604	138	19097	3.539	ng/ul	99
52) Acenaphthene	14.721	153	100533	4.659	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	22900	7.391	ng/ul	92
55) 4-Nitrophenol	14.880	109	17647	4.256	ng/ul#	82
56) Dibenzofuran	15.057	168	138020	4.761	ng/ul	99
57) 2,4-Dinitrotoluene	15.045	165	26561	3.935	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.274	232	21295	3.830	ng/ul	92
59) Diethylphthalate	15.468	149	114103	4.420	ng/ul	100
61) Fluorene	15.704	166	114238	4.752	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	52754	4.544	ng/ul	96
63) 4-Nitroaniline	15.762	138	22018	4.562	ng/ul#	67
66) 4,6-Dinitro-2-methylph...	15.786	198	19237	4.112	ng/ul#	68
67) N-Nitrosodiphenylamine	15.915	169	90074	4.433	ng/ul	100
68) 4-Bromophenyl-phenylether	16.592	248	27584	4.016	ng/ul	99
69) Hexachlorobenzene	16.674	284	33528	4.293	ng/ul	100
70) Atrazine	16.862	200	26331	3.777	ng/ul	97
71) Pentachlorophenol	17.039	266	29466	5.568	ng/ul	94
72) Phenanthrene	17.451	178	176926	4.516	ng/ul	99
74) Anthracene	17.545	178	180994	4.593	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	40402	4.270	ng/uL	96
76) Pentachlorobenzene	14.951	250	43592	4.692	ng/uL	99
77) Carbazole	17.827	167	153916	4.288	ng/ul	99
78) Di-n-butylphthalate	18.351	149	177317	3.903	ng/ul	100
80) Fluoranthene	19.462	202	190130	4.223	ng/ul	98
82) Pyrene	19.827	202	217907	4.604	ng/ul	95
83) Butylbenzylphthalate	20.709	149	73206	3.629	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.515	252	49284	3.308	ng/ul	98
85) Benzo(a)anthracene	21.574	228	203689	4.305	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	110937	3.722	ng/ul	99
87) Chrysene	21.627	228	196334	4.512	ng/ul	100
89) Di-n-octyl phthalate	22.403	149	191751	3.418	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	191720	4.062	ng/ul#	96
91) Benzo(k)fluoranthene	23.350	252	200947	4.305	ng/ul	97
93) Benzo(a)pyrene	23.956	252	190993	4.325	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.668	276	216533	4.037	ng/ul	97
95) Dibenzo(a,h)anthracene	26.679	278	183455	4.123	ng/ul	98
96) Benzo(g,h,i)perylene	27.473	276	176140	4.198	ng/ul	98

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

