

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010623\
 Data File : BM038384.D
 Acq On : 06 Jan 2023 12:00
 Operator : CG/JU
 Sample : N5388-04
 Misc : SFAM-MDL-S-02-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 06 12:32:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 02:11:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	60861	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	232923	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	144257	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	330203	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	344105	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	429617	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	8564	4.563	ng/uL	0.00
4) Pyridine-d5	3.799	84	73378	13.514	ng/u1	0.00
7) Phenol-d5	7.157	99	97654	17.613	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	74686	18.726	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	74495	18.753	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	72744	16.997	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	32949	18.030	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	37137	17.919	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.434	165	69891	17.463	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	89365	16.181	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	198760	18.193	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	225437	17.707	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	29335	14.916	ng/u1	0.00
60) Fluorene-d10	15.616	176	175240	17.638	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	35587	14.870	ng/u1	0.00
73) Anthracene-d10	17.468	188	276293	17.346	ng/u1	0.00
81) Pyrene-d10	19.756	212	343875	17.958	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	382875	17.944	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	2263m	1.129	ng/uL	
5) Pyridine	3.822	79	21512	3.751	ng/u1#	70
6) Benzaldehyde	7.146	77	14372m	6.305	ng/u1	
8) Phenol	7.187	94	22576	3.860	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.422	93	19055	4.069	ng/u1	98
12) 2-Chlorophenol	7.557	128	16648	4.058	ng/u1	89
13) 2-Methylphenol	8.445	108	15139	3.624	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.534	45	28657m	3.858	ng/u1	
16) Acetophenone	8.834	105	26896	3.551	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.810	70	15899	3.897	ng/u1	98
18) 4-Methylphenol	8.781	108	16100	3.542	ng/u1	98
19) Hexachloroethane	9.081	117	7825	4.096	ng/u1	89
22) Nitrobenzene	9.216	77	24761	4.108	ng/u1#	95
23) Isophorone	9.739	82	39644	3.837	ng/u1	98
25) 2-Nitrophenol	9.928	139	8197	3.797	ng/u1#	87
26) 2,4-Dimethylphenol	9.981	107	19120	3.789	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.222	93	23784	4.023	ng/u1	98
29) 2,4-Dichlorophenol	10.463	162	15606	4.010	ng/u1	96
30) Naphthalene	10.863	128	49762	4.005	ng/u1	99
32) 4-Chloroaniline	10.975	127	19927	3.541	ng/u1	98
33) Hexachlorobutadiene	11.134	225	12279	4.238	ng/u1	99
34) Caprolactam	11.781	113	3554m	3.199	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	14188	3.426	ng/u1	94
36) 2-Methylnaphthalene	12.469	142	30117	3.719	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.686	142	27130	3.238	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.828	216	20132	3.947	ng/ul	96
40) Hexachlorocyclopentadiene	12.804	237	14831	4.117	ng/ul	94
41) 2,4,6-Trichlorophenol	13.075	196	11200	3.538	ng/ul	99
42) 2,4,5-Trichlorophenol	13.145	196	12403m	3.656	ng/ul	
43) 1,1'-Biphenyl	13.469	154	41297	3.787	ng/ul	97
44) 2-Chloronaphthalene	13.510	162	33903	3.808	ng/ul	95
45) 2-Nitroaniline	13.727	65	9849m	3.307	ng/ul	
47) Dimethylphthalate	14.086	163	43467	3.921	ng/ul	99
48) 2,6-Dinitrotoluene	14.216	165	7400	3.506	ng/ul	92
50) Acenaphthylene	14.357	152	51096	3.783	ng/ul	99
51) 3-Nitroaniline	14.551	138	6753	3.474	ng/ul	99
52) Acenaphthene	14.692	153	36658	3.835	ng/ul	96
53) 2,4-Dinitrophenol	14.757	184	6936	4.395	ng/ul	96
55) 4-Nitrophenol	14.845	109	7045	3.422	ng/ul	89
56) Dibenzofuran	15.027	168	52467	3.863	ng/ul	98
57) 2,4-Dinitrotoluene	14.998	165	10937	3.541	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.257	232	10978	3.623	ng/ul	97
59) Diethylphthalate	15.439	149	42909	3.734	ng/ul	98
61) Fluorene	15.674	166	42344	3.631	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.663	204	23760	3.871	ng/ul	97
63) 4-Nitroaniline	15.710	138	6632m	3.566	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	9661	4.213	ng/ul#	92
67) N-Nitrosodiphenylamine	15.880	169	33296	3.536	ng/ul	97
68) 4-Bromophenyl-phenylether	16.557	248	12802	3.660	ng/ul	94
69) Hexachlorobenzene	16.674	284	14884	3.689	ng/ul	98
70) Atrazine	16.827	200	14303	3.675	ng/ul	95
71) Pentachlorophenol	17.021	266	9796	3.679	ng/ul	95
72) Phenanthrene	17.410	178	66828	3.709	ng/ul	99
74) Anthracene	17.504	178	68200	3.681	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.433	216	17825	3.577	ng/uL	98
76) Pentachlorobenzene	14.945	250	16361	3.407	ng/uL	94
77) Carbazole	17.780	167	54740	3.222	ng/ul	99
78) Di-n-butylphthalate	18.327	149	70767	3.487	ng/ul	99
80) Fluoranthene	19.421	202	77340	3.571	ng/ul	99
82) Pyrene	19.786	202	88862	3.765	ng/ul	99
83) Butylbenzylphthalate	20.668	149	31274	3.455	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.456	252	22854	3.185	ng/ul#	97
85) Benzo(a)anthracene	21.527	228	92601	3.781	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.439	149	48637	3.481	ng/ul	100
87) Chrysene	21.580	228	90229	3.835	ng/ul	100
89) Di-n-octyl phthalate	22.368	149	88631	2.884	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	95640	3.519	ng/ul	99
91) Benzo(k)fluoranthene	23.274	252	97245	3.563	ng/ul	99
93) Benzo(a)pyrene	23.862	252	94953	3.860	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.509	276	121944	3.901	ng/ul	98
95) Dibenzo(a,h)anthracene	26.521	278	99192	3.802	ng/ul	98
96) Benzo(g,h,i)perylene	27.291	276	100938	3.943	ng/ul	98

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

