

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100124\
 Data File : BM047738.D
 Acq On : 01 Oct 2024 11:46
 Operator : RC/JU
 Sample : P3391-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Oct 01 23:00:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 28 02:30:36 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :mohammad ahmed 10/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	262079	20.000	ng/u1	0.00
20) Naphthalene-d8	10.604	136	1098169	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.445	164	669732	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1353451	20.000	ng/u1	0.00
79) Chrysene-d12	21.403	240	1266741	20.000	ng/u1	0.00
88) Perylene-d12	24.409	264	1356387	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	31207	3.848	ng/uL	0.00
4) Pyridine-d5	3.675	84	465215	19.592	ng/u1	0.00
7) Phenol-d5	6.975	99	513828	20.734	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	315676	17.951	ng/u1	0.00
11) 2-Chlorophenol-d4	7.346	132	412290	22.866	ng/u1	0.00
15) 4-Methylphenol-d8	8.516	113	354927	19.263	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	200941	22.981	ng/u1	0.00
24) 2-Nitrophenol-d4	9.687	143	208924	24.934	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	384462	22.969	ng/u1	0.00
31) 4-Chloroaniline-d4	10.734	131	506739	19.582	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1040512	21.429	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1254994	21.799	ng/u1	0.00
54) 4-Nitrophenol-d4	14.633	143	189287	19.580	ng/u1	0.00
60) Fluorene-d10	15.433	176	937397	22.288	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	132681	16.752	ng/u1	0.00
73) Anthracene-d10	17.280	188	1177107	17.687	ng/u1	0.00
81) Pyrene-d10	19.568	212	1603963	22.310	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.203	264	1624927	23.089	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Pyridine	3.693	79	86398	3.456	ng/u1	88
6) Benzaldehyde	6.951	77	60499m	4.489	ng/u1	
8) Phenol	6.998	94	99906	3.789	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.228	93	82576	3.930	ng/u1	90
12) 2-Chlorophenol	7.375	128	82216	4.304	ng/u1	93
13) 2-Methylphenol	8.251	108	65148	3.543	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.334	45	122255	3.091	ng/u1#	95
16) Acetophenone	8.628	105	124554	3.951	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.616	70	59244	3.548	ng/u1#	90
18) 4-Methylphenol	8.575	108	74973	3.628	ng/u1	96
19) Hexachloroethane	8.892	117	34782	4.051	ng/u1	88
22) Nitrobenzene	9.004	77	93640	3.770	ng/u1	92
23) Isophorone	9.534	82	165845	3.733	ng/u1	96
25) 2-Nitrophenol	9.716	139	43250	4.512	ng/u1#	86
26) 2,4-Dimethylphenol	9.781	107	28183	1.372	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.010	93	105545	3.884	ng/u1	97
29) 2,4-Dichlorophenol	10.251	162	75741	4.382	ng/u1	97
30) Naphthalene	10.651	128	268145	4.245	ng/u1	98
32) 4-Chloroaniline	10.757	127	98359	3.860	ng/u1	100
33) Hexachlorobutadiene	10.945	225	51006	4.466	ng/u1	97
34) Caprolactam	11.539	113	33385m	6.040	ng/u1	
35) 4-Chloro-3-methylphenol	11.881	107	68051	3.804	ng/u1	92
36) 2-Methylnaphthalene	12.263	142	172000	4.285	ng/u1	94
37) 1-Methylnaphthalene	12.486	142	176503	4.322	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.633	216	92642	4.249	ng/ul	95
40) Hexachlorocyclopentadiene	12.616	237	31733	2.407	ng/ul	99
41) 2,4,6-Trichlorophenol	12.875	196	53440	4.236	ng/ul	96
42) 2,4,5-Trichlorophenol	12.945	196	53852	3.904	ng/ul	97
43) 1,1'-Biphenyl	13.275	154	218448	4.074	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	175971	4.243	ng/ul	95
45) 2-Nitroaniline	13.516	65	40281	3.060	ng/ul#	81
47) Dimethylphthalate	13.898	163	203924	4.147	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	32410	3.753	ng/ul	96
50) Acenaphthylene	14.163	152	288189	4.439	ng/ul	98
51) 3-Nitroaniline	14.339	138	32683	3.127	ng/ul#	92
52) Acenaphthene	14.510	153	188179	4.100	ng/ul	97
53) 2,4-Dinitrophenol	14.545	184	21549m	4.038	ng/ul	
55) 4-Nitrophenol	14.645	109	30693	3.781	ng/ul	93
56) Dibenzofuran	14.839	168	259855	4.206	ng/ul	98
57) 2,4-Dinitrotoluene	14.798	165	51716	3.987	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.069	232	48973	4.504	ng/ul#	94
59) Diethylphthalate	15.263	149	200638	4.078	ng/ul	98
61) Fluorene	15.486	166	213501	4.142	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.486	204	103507	4.250	ng/ul	96
63) 4-Nitroaniline	15.498	138	32942m	3.245	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.557	198	32305	3.681	ng/ul#	97
67) N-Nitrosodiphenylamine	15.692	169	164726	3.906	ng/ul	98
68) 4-Bromophenyl-phenylether	16.374	248	61556	4.412	ng/ul	93
69) Hexachlorobenzene	16.492	284	71569	4.408	ng/ul	92
70) Atrazine	16.645	200	55988	3.988	ng/ul	97
71) Pentachlorophenol	16.833	266	66003	6.393	ng/ul	97
72) Phenanthrene	17.221	178	325620	4.103	ng/ul	99
74) Anthracene	17.310	178	278903	3.445	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	87432	3.902	ng/uL	99
76) Pentachlorobenzene	14.763	250	90749	4.149	ng/uL	99
77) Carbazole	17.580	167	284432	3.876	ng/ul	97
78) Di-n-butylphthalate	18.145	149	320909	3.928	ng/ul	99
80) Fluoranthene	19.233	202	361967	4.275	ng/ul	98
82) Pyrene	19.592	202	394892	4.190	ng/ul	97
83) Butylbenzylphthalate	20.492	149	133532	4.008	ng/ul#	83
84) 3,3'-Dichlorobenzidine	21.309	252	93832	3.506	ng/ul	97
85) Benzo(a)anthracene	21.386	228	372626	4.201	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.315	149	201490	4.028	ng/ul	98
87) Chrysene	21.450	228	362771	4.196	ng/ul	99
89) Di-n-octyl phthalate	22.445	149	327976	3.749	ng/ul	100
90) Benzo(b)fluoranthene	23.456	252	368020	4.351	ng/ul	97
91) Benzo(k)fluoranthene	23.521	252	383609	4.435	ng/ul	97
93) Benzo(a)pyrene	24.268	252	357627	4.452	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.791	276	436452	4.239	ng/ul	97
95) Dibenzo(a,h)anthracene	27.844	278	357450	4.237	ng/ul	98
96) Benzo(g,h,i)perylene	28.838	276	362446	4.493	ng/ul	98

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

