

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100124\
 Data File : BM047739.D
 Acq On : 01 Oct 2024 12:26
 Operator : RC/JU
 Sample : P3391-06
 Misc : SFAM-MDL-ME SOIL-02
 ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Oct 01 23:01:40 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	272454	20.000	ng/u1	0.00
20) Naphthalene-d8	10.604	136	1129487	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.445	164	682122	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1373013	20.000	ng/u1	0.00
79) Chrysene-d12	21.403	240	1280798	20.000	ng/u1	0.00
88) Perylene-d12	24.409	264	1362912	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	31253	3.707	ng/uL	0.00
4) Pyridine-d5	3.675	84	473457	19.179	ng/u1	0.00
7) Phenol-d5	6.975	99	530082	20.575	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.139	67	326513	17.860	ng/u1	0.00
11) 2-Chlorophenol-d4	7.345	132	415561	22.170	ng/u1	0.00
15) 4-Methylphenol-d8	8.516	113	367970	19.210	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	207559	23.080	ng/u1	0.00
24) 2-Nitrophenol-d4	9.686	143	215607	25.018	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	395296	22.961	ng/u1	0.00
31) 4-Chloroaniline-d4	10.733	131	522076	19.616	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1066373	21.563	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1284667	21.909	ng/u1	0.00
54) 4-Nitrophenol-d4	14.633	143	196183	19.925	ng/u1	0.00
60) Fluorene-d10	15.433	176	954802	22.290	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	133347	16.596	ng/u1	0.00
73) Anthracene-d10	17.280	188	1195858	17.713	ng/u1	0.00
81) Pyrene-d10	19.562	212	1608987	22.134	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.203	264	1626553	23.002	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Pyridine	3.693	79	90307	3.475	ng/u1	87
6) Benzaldehyde	6.951	77	61155	4.365	ng/u1	88
8) Phenol	6.998	94	102584	3.742	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.234	93	85592	3.918	ng/u1	89
12) 2-Chlorophenol	7.375	128	85261	4.294	ng/u1	94
13) 2-Methylphenol	8.251	108	66038	3.455	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.333	45	128338	3.121	ng/u1#	91
16) Acetophenone	8.628	105	125366	3.825	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.616	70	61674	3.553	ng/u1#	90
18) 4-Methylphenol	8.575	108	80115	3.730	ng/u1	98
19) Hexachloroethane	8.892	117	36035	4.037	ng/u1#	83
22) Nitrobenzene	9.004	77	98322	3.849	ng/u1	94
23) Isophorone	9.533	82	173217	3.790	ng/u1	94
25) 2-Nitrophenol	9.716	139	44209	4.484	ng/u1	92
26) 2,4-Dimethylphenol	9.780	107	28598	1.354	ng/u1#	85
27) Bis(2-Chloroethoxy)met...	10.016	93	110047	3.937	ng/u1	97
29) 2,4-Dichlorophenol	10.251	162	77407	4.354	ng/u1	96
30) Naphthalene	10.651	128	277704	4.274	ng/u1	98
32) 4-Chloroaniline	10.757	127	99507	3.797	ng/u1	97
33) Hexachlorobutadiene	10.945	225	51902	4.419	ng/u1	95
34) Caprolactam	11.545	113	33066m	5.816	ng/u1	
35) 4-Chloro-3-methylphenol	11.880	107	69663	3.786	ng/u1	95
36) 2-Methylnaphthalene	12.263	142	176847	4.284	ng/u1	95
37) 1-Methylnaphthalene	12.486	142	179899	4.283	ng/u1	100

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39) 1,2,4,5-Tetrachloroben...	12.633	216	94224	4.243	ng/ul	96
40) Hexachlorocyclopentadiene	12.621	237	31803	2.368	ng/ul	98
41) 2,4,6-Trichlorophenol	12.874	196	55458	4.317	ng/ul	97
42) 2,4,5-Trichlorophenol	12.945	196	56266	4.005	ng/ul	97
43) 1,1'-Biphenyl	13.274	154	229292	4.198	ng/ul#	97
44) 2-Chloronaphthalene	13.315	162	179590	4.252	ng/ul	97
45) 2-Nitroaniline	13.515	65	40788	3.042	ng/ul	86
47) Dimethylphthalate	13.898	163	210905	4.211	ng/ul	100
48) 2,6-Dinitrotoluene	14.010	165	32699	3.718	ng/ul	92
50) Acenaphthylene	14.162	152	291020	4.401	ng/ul	98
51) 3-Nitroaniline	14.339	138	33436	3.141	ng/ul#	92
52) Acenaphthene	14.510	153	191756	4.102	ng/ul	99
53) 2,4-Dinitrophenol	14.545	184	22695	4.176	ng/ul#	78
55) 4-Nitrophenol	14.645	109	30348	3.671	ng/ul	92
56) Dibenzofuran	14.839	168	262225	4.167	ng/ul	98
57) 2,4-Dinitrotoluene	14.798	165	51306	3.884	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.068	232	49710	4.489	ng/ul#	94
59) Diethylphthalate	15.262	149	201611	4.023	ng/ul	97
61) Fluorene	15.492	166	214987	4.095	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.486	204	104610	4.217	ng/ul	95
63) 4-Nitroaniline	15.498	138	33799m	3.269	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.557	198	31594	3.549	ng/ul#	99
67) N-Nitrosodiphenylamine	15.692	169	166128	3.883	ng/ul	98
68) 4-Bromophenyl-phenylether	16.374	248	61265	4.329	ng/ul	98
69) Hexachlorobenzene	16.492	284	71953	4.369	ng/ul	93
70) Atrazine	16.645	200	57756	4.055	ng/ul	99
71) Pentachlorophenol	16.833	266	68928	6.582	ng/ul	99
72) Phenanthrene	17.221	178	328010	4.074	ng/ul	99
74) Anthracene	17.309	178	279699	3.406	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.245	216	88924	3.912	ng/uL	98
76) Pentachlorobenzene	14.762	250	94870	4.275	ng/uL	99
77) Carbazole	17.580	167	285951	3.841	ng/ul	98
78) Di-n-butylphthalate	18.145	149	327480	3.952	ng/ul	99
80) Fluoranthene	19.233	202	367147	4.288	ng/ul	97
82) Pyrene	19.592	202	398708	4.184	ng/ul	96
83) Butylbenzylphthalate	20.491	149	137764	4.090	ng/ul#	83
84) 3,3'-Dichlorobenzidine	21.309	252	94305	3.485	ng/ul	99
85) Benzo(a)anthracene	21.386	228	374145	4.172	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.315	149	203318	4.020	ng/ul#	97
87) Chrysene	21.450	228	369130	4.222	ng/ul	98
89) Di-n-octyl phthalate	22.444	149	331682	3.773	ng/ul	100
90) Benzo(b)fluoranthene	23.456	252	370098	4.354	ng/ul	98
91) Benzo(k)fluoranthene	23.521	252	387246	4.456	ng/ul	98
93) Benzo(a)pyrene	24.268	252	353630	4.381	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.791	276	433117	4.187	ng/ul	96
95) Dibenzo(a,h)anthracene	27.850	278	365020	4.306	ng/ul	99
96) Benzo(g,h,i)perylene	28.844	276	366674	4.524	ng/ul	98

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

