

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120224\
 Data File : BN035397.D
 Acq On : 02 Dec 2024 23:28
 Operator : RC/JU
 Sample : P4776-05
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Dec 02 23:56:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:25:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.305	152	140598	20.000	ng/u1	0.00
20) Naphthalene-d8	10.052	136	594807	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.963	164	464124	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.728	188	1072134	20.000	ng/u1	0.00
79) Chrysene-d12	20.980	240	1113377	20.000	ng/u1	0.00
88) Perylene-d12	23.657	264	1347757	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	5036	1.692	ng/uL	0.00
4) Pyridine-d5	3.340	84	49888	6.361	ng/u1	0.00
7) Phenol-d5	6.505	99	65414	6.531	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.664	67	38666	6.922	ng/u1	0.00
11) 2-Chlorophenol-d4	6.840	132	54764	6.452	ng/u1	0.00
15) 4-Methylphenol-d8	8.016	113	56149	6.433	ng/u1	0.00
21) Nitrobenzene-d5	8.440	128	25525	6.605	ng/u1	0.00
24) 2-Nitrophenol-d4	9.152	143	29498	6.595	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.681	165	62737	6.417	ng/u1	0.00
31) 4-Chloroaniline-d4	10.199	131	84496	7.000	ng/u1	0.00
46) Dimethylphthalate-d6	13.387	166	234851	7.047	ng/u1	0.00
49) Acenaphthylene-d8	13.646	160	256982	7.002	ng/u1	0.00
54) 4-Nitrophenol-d4	14.193	143	32997	6.013	ng/u1	0.00
60) Fluorene-d10	14.969	176	203967	7.087	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.104	200	30783	5.444	ng/u1	0.00
73) Anthracene-d10	16.822	188	337131	7.129	ng/u1	0.00
81) Pyrene-d10	19.145	212	404546	6.880	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.469	264	441368	6.763	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	2258	0.677	ng/uL	98
5) Pyridine	3.364	79	17093	2.173	ng/u1	96
6) Benzaldehyde	6.464	77	14182	2.625	ng/u1	96
8) Phenol	6.528	94	23050	2.222	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.752	93	19101	2.352	ng/u1	97
12) 2-Chlorophenol	6.875	128	19310	2.186	ng/u1	98
13) 2-Methylphenol	7.752	108	16976	2.108	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	7.828	45	15175	2.364	ng/u1#	95
16) Acetophenone	8.116	105	33348	2.419	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.105	70	14064	2.146	ng/u1	96
18) 4-Methylphenol	8.075	108	19399	2.168	ng/u1	100
19) Hexachloroethane	8.352	117	8082	2.142	ng/u1	95
22) Nitrobenzene	8.481	77	22436	2.311	ng/u1	100
23) Isophorone	9.005	82	42085	2.164	ng/u1	97
25) 2-Nitrophenol	9.181	139	10670	2.105	ng/u1	92
26) 2,4-Dimethylphenol	9.263	107	20449	2.013	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.499	93	27187	2.294	ng/u1	99
29) 2,4-Dichlorophenol	9.710	162	22635	2.288	ng/u1	93
30) Naphthalene	10.099	128	71095	2.352	ng/u1	100
32) 4-Chloroaniline	10.222	127	27858	2.409	ng/u1	100
33) Hexachlorobutadiene	10.393	225	15967	2.287	ng/u1	97
34) Caprolactam	10.987	113	5750m	2.012	ng/u1	
35) 4-Chloro-3-methylphenol	11.363	107	21566	2.093	ng/u1	98
36) 2-Methylnaphthalene	11.728	142	52652	2.339	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.952	142	47526	2.059	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.110	216	32054	2.343	ng/ul	98
40) Hexachlorocyclopentadiene	12.093	237	14908	2.170	ng/ul	95
41) 2,4,6-Trichlorophenol	12.369	196	18648	2.102	ng/ul	92
42) 2,4,5-Trichlorophenol	12.440	196	20870	2.112	ng/ul	93
43) 1,1'-Biphenyl	12.781	154	74488	2.325	ng/ul	96
44) 2-Chloronaphthalene	12.810	162	58745	2.293	ng/ul	98
45) 2-Nitroaniline	13.034	65	8860	1.759	ng/ul	98
47) Dimethylphthalate	13.434	163	79062	2.371	ng/ul	99
48) 2,6-Dinitrotoluene	13.546	165	9657	1.738	ng/ul#	84
50) Acenaphthylene	13.675	152	92928	2.382	ng/ul	99
51) 3-Nitroaniline	13.881	138	9253	1.608	ng/ul#	87
52) Acenaphthene	14.022	153	65966	2.349	ng/ul	96
53) 2,4-Dinitrophenol	14.093	184	7052	1.817	ng/ul	93
55) 4-Nitrophenol	14.210	109	10927	2.108	ng/ul	95
56) Dibenzofuran	14.369	168	94960	2.379	ng/ul	94
57) 2,4-Dinitrotoluene	14.346	165	17215	1.952	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	14.604	232	18887	2.194	ng/ul	96
59) Diethylphthalate	14.828	149	74068	2.273	ng/ul	99
61) Fluorene	15.022	166	79005	2.457	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.034	204	41036	2.497	ng/ul	99
63) 4-Nitroaniline	15.051	138	11400	2.043	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.116	198	13400	2.187	ng/ul#	83
67) N-Nitrosodiphenylamine	15.251	169	65734	2.308	ng/ul	98
68) 4-Bromophenyl-phenylether	15.934	248	24735	2.281	ng/ul	97
69) Hexachlorobenzene	16.034	284	30713	2.386	ng/ul	96
70) Atrazine	16.222	200	23612	2.321	ng/ul	97
71) Pentachlorophenol	16.387	266	20271	2.481	ng/ul	98
72) Phenanthrene	16.769	178	132523	2.401	ng/ul	97
74) Anthracene	16.857	178	133123	2.389	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.734	216	29112	2.048	ng/uL	99
76) Pentachlorobenzene	14.287	250	31304	2.139	ng/uL	97
77) Carbazole	17.140	167	115128	2.482	ng/ul	99
78) Di-n-butylphthalate	17.739	149	114411	2.119	ng/ul	99
80) Fluoranthene	18.804	202	159850	2.316	ng/ul	99
82) Pyrene	19.175	202	175284	2.368	ng/ul	98
83) Butylbenzylphthalate	20.128	149	41079	1.969	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.904	252	39245	1.977	ng/ul#	98
85) Benzo(a)anthracene	20.963	228	177794	2.379	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	20.939	149	66030	2.007	ng/ul	99
87) Chrysene	21.016	228	172948	2.401	ng/ul	98
89) Di-n-octyl phthalate	21.963	149	104189	1.701	ng/ul	100
90) Benzo(b)fluoranthene	22.810	252	170648	2.197	ng/ul	97
91) Benzo(k)fluoranthene	22.869	252	173595	2.182	ng/ul	97
93) Benzo(a)pyrene	23.522	252	155834	2.137	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.586	276	182177	2.095	ng/ul	99
95) Dibenzo(a,h)anthracene	26.639	278	145493	2.065	ng/ul	97
96) Benzo(g,h,i)perylene	27.498	276	135737	2.056	ng/ul	99

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

