

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051624\
 Data File : BP020410.D
 Acq On : 16 May 2024 13:43
 Operator : MA/JU
 Sample : P2409-05
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 16 14:32:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 16 10:48:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	78761	20.000	ng/u1	0.00
20) Naphthalene-d8	10.357	136	339277	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.257	164	260807	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.104	188	598511	20.000	ng/u1	-0.02
79) Chrysene-d12	21.598	240	597397	20.000	ng/u1	-0.03
88) Perylene-d12	24.951	264	643612	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	8543	4.581	ng/uL	0.00
4) Pyridine-d5	3.593	84	108065	19.943	ng/u1	0.00
7) Phenol-d5	6.787	99	139641	20.645	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.946	67	83354	20.286	ng/u1	0.00
11) 2-Chlorophenol-d4	7.128	132	107156	22.161	ng/u1	0.00
15) 4-Methylphenol-d8	8.304	113	111836	20.451	ng/u1	0.00
21) Nitrobenzene-d5	8.752	128	54563	21.476	ng/u1	0.00
24) 2-Nitrophenol-d4	9.463	143	64696	22.237	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.004	165	116089	21.866	ng/u1	0.00
31) 4-Chloroaniline-d4	10.528	131	135730	18.266	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	439532	23.078	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	464690	22.087	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.545	143	64077m	21.890	ng/u1	0.00
60) Fluorene-d10	15.281	176	385894	24.292	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.457	200	69475	18.293	ng/u1	-0.01
73) Anthracene-d10	17.210	188	565109	21.826	ng/u1	-0.02
81) Pyrene-d10	19.616	212	737091	21.107	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.709	264	716357	23.020	ng/u1	-0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.228	88	2660	1.257	ng/uL#	72
5) Pyridine	3.611	79	22106	4.033	ng/u1#	39
6) Benzaldehyde	6.787	77	18020	5.300	ng/u1	96
8) Phenol	6.816	94	28395	4.067	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.046	93	24303	4.449	ng/u1	96
12) 2-Chlorophenol	7.169	128	23568	4.668	ng/u1	90
13) 2-Methylphenol	8.052	108	20595	3.955	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.116	45	30842	4.526	ng/u1#	93
16) Acetophenone	8.428	105	41711	4.596	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.399	70	21903	4.447	ng/u1	99
18) 4-Methylphenol	8.375	108	23494	4.151	ng/u1	95
19) Hexachloroethane	8.634	117	11042	4.783	ng/u1	95
22) Nitrobenzene	8.799	77	32116	4.403	ng/u1	99
23) Isophorone	9.310	82	62107	4.429	ng/u1	99
25) 2-Nitrophenol	9.504	139	13318	4.419	ng/u1	93
26) 2,4-Dimethylphenol	9.563	107	23598	3.589	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.804	93	32334	4.159	ng/u1	99
29) 2,4-Dichlorophenol	10.034	162	23647	4.579	ng/u1	96
30) Naphthalene	10.410	128	84047	4.806	ng/u1	98
32) 4-Chloroaniline	10.557	127	31237	4.299	ng/u1	89
33) Hexachlorobutadiene	10.669	225	19489	4.859	ng/u1	93
34) Caprolactam	11.387	113	8125m	4.506	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	25004	3.889	ng/u1	100
36) 2-Methylnaphthalene	12.045	142	59018	4.850	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.257	142	62225	5.082	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.422	216	37129	4.565	ng/ul	94
40) Hexachlorocyclopentadiene	12.363	237	23978	5.420	ng/ul	91
41) 2,4,6-Trichlorophenol	12.687	196	21316m	4.179	ng/ul	
42) 2,4,5-Trichlorophenol	12.781	196	21913	3.992	ng/ul	99
43) 1,1'-Biphenyl	13.075	154	83713	4.538	ng/ul	98
44) 2-Chloronaphthalene	13.122	162	67804	4.632	ng/ul	96
45) 2-Nitroaniline	13.381	65	18067	3.721	ng/ul	94
47) Dimethylphthalate	13.728	163	94525	4.913	ng/ul	99
48) 2,6-Dinitrotoluene	13.875	165	16980	4.440	ng/ul	96
50) Acenaphthylene	13.975	152	115711	4.890	ng/ul	97
51) 3-Nitroaniline	14.239	138	13632m	3.822	ng/ul	
52) Acenaphthene	14.328	153	76560	4.814	ng/ul	98
53) 2,4-Dinitrophenol	14.469	184	8649	3.684	ng/ul#	89
55) 4-Nitrophenol	14.575	109	14261m	4.679	ng/ul	
56) Dibenzofuran	14.681	168	109048	4.986	ng/ul	99
57) 2,4-Dinitrotoluene	14.692	165	26308	4.785	ng/ul	84
58) 2,3,4,6-Tetrachlorophenol	14.928	232	24798	5.031	ng/ul#	91
59) Diethylphthalate	15.128	149	96647	5.033	ng/ul	98
61) Fluorene	15.345	166	91700	5.046	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.345	204	49270	5.110	ng/ul	97
63) 4-Nitroaniline	15.439	138	12294m	4.136	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.469	198	17406	4.395	ng/ul#	85
67) N-Nitrosodiphenylamine	15.575	169	77919	4.676	ng/ul	99
68) 4-Bromophenyl-phenylether	16.269	248	31683	4.887	ng/ul	98
69) Hexachlorobenzene	16.369	284	38235	5.092	ng/ul	96
70) Atrazine	16.581	200	31540	5.338	ng/ul	98
71) Pentachlorophenol	16.757	266	20344	4.483	ng/ul	96
72) Phenanthrene	17.145	178	148998	4.879	ng/ul	97
74) Anthracene	17.245	178	143749	4.628	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	37370	4.201	ng/uL	98
76) Pentachlorobenzene	14.592	250	45759	5.141	ng/uL	99
77) Carbazole	17.563	167	114978	4.297	ng/ul	99
78) Di-n-butylphthalate	18.139	149	158288	4.881	ng/ul	99
80) Fluoranthene	19.263	202	182297	4.436	ng/ul	100
82) Pyrene	19.645	202	193131	4.517	ng/ul	99
83) Butylbenzylphthalate	20.621	149	69214	4.264	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.533	252	48762	4.011	ng/ul	97
85) Benzo(a)anthracene	21.574	228	191023	4.714	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.521	149	102549	4.379	ng/ul	100
87) Chrysene	21.645	228	181440	4.831	ng/ul	98
89) Di-n-octyl phthalate	22.810	149	170527	4.137	ng/ul	100
90) Benzo(b)fluoranthene	23.886	252	177988	4.649	ng/ul	98
91) Benzo(k)fluoranthene	23.957	252	189113	4.847	ng/ul	98
93) Benzo(a)pyrene	24.792	252	165217	4.535	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.762	276	204107m	4.571	ng/ul	
95) Dibenzo(a,h)anthracene	28.856	278	171012m	4.630	ng/ul	
96) Benzo(g,h,i)perylene	29.945	276	168491m	4.678	ng/ul	

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

