

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102323\
 Data File : BP017749.D
 Acq On : 23 Oct 2023 12:17
 Operator : MA/JU
 Sample : 04696-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 23 13:02:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2023
 Supervised By :mohammad ahmed 10/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	111376	20.000	ng/u1	0.00
20) Naphthalene-d8	10.728	136	434959	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	253062	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	513333	20.000	ng/u1	# 0.01
79) Chrysene-d12	21.527	240	603797	20.000	ng/u1	0.01
88) Perylene-d12	24.092	264	634147	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	18386	6.141	ng/uL	0.00
4) Pyridine-d5	3.693	84	203957	26.020	ng/u1	0.00
7) Phenol-d5	7.052	99	225295	24.309	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.240	67	152957	26.723	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	183126	24.225	ng/u1	0.00
15) 4-Methylphenol-d8	8.616	113	167439	23.005	ng/u1	0.00
21) Nitrobenzene-d5	9.105	128	80182	22.750	ng/u1	0.00
24) 2-Nitrophenol-d4	9.822	143	87563	22.485	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.352	165	164859	21.581	ng/u1	0.01
31) 4-Chloroaniline-d4	10.904	131	199639	19.970	ng/u1	0.01
46) Dimethylphthalate-d6	14.010	166	502465	23.652	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	568586	24.000	ng/u1	0.01
54) 4-Nitrophenol-d4	14.845	143	43655	14.422	ng/u1	0.02
60) Fluorene-d10	15.598	176	414469	22.570	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	57990	17.150	ng/u1	0.01
73) Anthracene-d10	17.486	188	600435	22.889	ng/u1	0.01
81) Pyrene-d10	19.745	212	705258	18.630	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.921	264	900825	25.505	ng/u1	0.02
Target Compounds						
2) 1,4-Dioxane	3.299	88	3649	1.149	ng/uL	96
5) Pyridine	3.722	79	32691	4.071	ng/u1#	72
6) Benzaldehyde	7.063	77	25887	5.192	ng/u1	91
8) Phenol	7.081	94	44804	4.903	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.334	93	37518	4.921	ng/u1	99
12) 2-Chlorophenol	7.446	128	35931	4.733	ng/u1	97
13) 2-Methylphenol	8.352	108	28583	4.144	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.410	45	49406m	5.265	ng/u1	
16) Acetophenone	8.758	105	54001	4.719	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.716	70	26504	4.883	ng/u1	93
18) 4-Methylphenol	8.681	108	32760	4.473	ng/u1	95
19) Hexachloroethane	8.957	117	15146	4.342	ng/u1#	82
22) Nitrobenzene	9.146	77	42602	4.854	ng/u1#	94
23) Isophorone	9.657	82	71418	4.551	ng/u1	98
25) 2-Nitrophenol	9.852	139	18904	4.548	ng/u1#	89
26) 2,4-Dimethylphenol	9.899	107	28851	3.536	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.152	93	47752	4.920	ng/u1	94
29) 2,4-Dichlorophenol	10.375	162	31751	4.347	ng/u1	95
30) Naphthalene	10.781	128	119757	4.784	ng/u1	99
32) 4-Chloroaniline	10.928	127	41048	4.288	ng/u1	100
33) Hexachlorobutadiene	11.004	225	23329	3.933	ng/u1	95
34) Caprolactam	11.775	113	10714	5.696	ng/u1	97
35) 4-Chloro-3-methylphenol	12.051	107	27995	4.071	ng/u1	94
36) 2-Methylnaphthalene	12.399	142	75170	4.446	ng/u1	97

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37) 1-Methylnaphthalene	12.622	142	62519	3.616	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.757	216	41113	4.390	ng/ul#	97
40) Hexachlorocyclopentadiene	12.687	237	30678	5.702	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.022	196	22189	3.948	ng/ul	97
42) 2,4,5-Trichlorophenol	13.098	196	24729	4.256	ng/ul	93
43) 1,1'-Biphenyl	13.422	154	100043	4.799	ng/ul	98
44) 2-Chloronaphthalene	13.469	162	82094	4.871	ng/ul	99
45) 2-Nitroaniline	13.728	65	15440	4.031	ng/ul	93
47) Dimethylphthalate	14.057	163	100389	4.795	ng/ul	99
48) 2,6-Dinitrotoluene	14.216	165	14128	3.666	ng/ul	90
50) Acenaphthylene	14.322	152	130921	4.933	ng/ul	99
51) 3-Nitroaniline	14.569	138	12237m	3.339	ng/ul	
52) Acenaphthene	14.657	153	85637	4.774	ng/ul	98
53) 2,4-Dinitrophenol	14.775	184	11493	5.313	ng/ul#	83
55) 4-Nitrophenol	14.869	109	11940m	3.726	ng/ul	
56) Dibenzofuran	14.998	168	116931	4.642	ng/ul	96
57) 2,4-Dinitrotoluene	15.004	165	21420	3.766	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.222	232	19038	3.692	ng/ul#	84
59) Diethylphthalate	15.422	149	89445	4.425	ng/ul	97
61) Fluorene	15.657	166	93905	4.539	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.651	204	47635	4.332	ng/ul	96
63) 4-Nitroaniline	15.740	138	11157	3.375	ng/ul#	8
66) 4,6-Dinitro-2-methylph...	15.757	198	14072	3.886	ng/ul#	77
67) N-Nitrosodiphenylamine	15.881	169	72445	4.658	ng/ul	97
68) 4-Bromophenyl-phenylether	16.563	248	24760	4.122	ng/ul	93
69) Hexachlorobenzene	16.639	284	27296	3.959	ng/ul#	86
70) Atrazine	16.845	200	18451	3.228	ng/ul	99
71) Pentachlorophenol	17.016	266	22910	5.526	ng/ul	97
72) Phenanthrene	17.428	178	146879	4.884	ng/ul	98
74) Anthracene	17.522	178	139521	4.581	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.369	216	31964	3.711	ng/uL	98
76) Pentachlorobenzene	14.892	250	30731	3.681	ng/uL	98
77) Carbazole	17.822	167	105090	4.083	ng/ul	99
78) Di-n-butylphthalate	18.328	149	126136	4.221	ng/ul	98
80) Fluoranthene	19.416	202	158225	3.638	ng/ul	98
82) Pyrene	19.775	202	177103	3.843	ng/ul	97
83) Butylbenzylphthalate	20.645	149	48473	3.059	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.463	252	49791	3.650	ng/ul	98
85) Benzo(a)anthracene	21.510	228	207319	4.517	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.392	149	78340	3.541	ng/ul	99
87) Chrysene	21.569	228	206922	4.767	ng/ul	99
89) Di-n-octyl phthalate	22.374	149	135642	3.377	ng/ul	100
90) Benzo(b)fluoranthene	23.292	252	203380	4.712	ng/ul	99
91) Benzo(k)fluoranthene	23.351	252	205683	4.702	ng/ul	99
93) Benzo(a)pyrene	23.974	252	190877	4.711	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.815	276	226398	4.688	ng/ul	98
95) Dibenzo(a,h)anthracene	26.845	278	184532	4.580	ng/ul	97
96) Benzo(g,h,i)perylene	27.668	276	187822	4.828	ng/ul	98

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

