Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102323\
Data File : BP017750.D
Acq On : 23 Oct 2023 13:08
Operator : MA/JU
Sample : 04696-06
Misc : SFAM-MDL-ME-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 14:40:12 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

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

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	100630	20.000	ng/ul	0.00
20) Naphthalene-d8	10.728	136	396641	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.592	164	237446	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.381	188	500993	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.527	240	423335	20.000	ng/ul	0.01
88) Perylene-d12	24.086	264	409903	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	16712	6.178	ng/uL	0.00
4) Pyridine-d5	3.693	84	182597	25.783	ng/ul	0.00
7) Phenol-d5	7.052	99	203591	24.313	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.240	67	138726	26.825	ng/ul	0.00
11) 2-Chlorophenol-d4	7.410	132	168858	24.723	ng/ul	0.00
15) 4-Methylphenol-d8	8.616	113	150458	22.880	ng/ul	0.00
21) Nitrobenzene-d5	9.104	128	74989	23.332	ng/ul	0.00
24) 2-Nitrophenol-d4	9.816	143	81225	22.873	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.346	165	147418	21.162	ng/ul	0.00
31) 4-Chloroaniline-d4	10.904	131	186199	20.425	ng/ul	0.01
46) Dimethylphthalate-d6	14.010	166	461959	23.176	ng/ul	0.00
49) Acenaphthylene-d8	14.287	160	518360	23.319	ng/ul	0.00
54) 4-Nitrophenol-d4	14.845	143	41296	14.540	ng/ul	0.02
60) Fluorene-d10	15.598	176	407643	23.658	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	55113	16.701	ng/ul	0.01
73) Anthracene-d10	17.486	188	572669	22.368	ng/ul	0.01
81) Pyrene-d10	19.745	212	675267	25.442	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.915	264	587350	25.727	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	2970	1.035	ng/uL#	83
5) Pyridine	3.717	79	29604	4.080	ng/ul#	46
6) Benzaldehyde	7.063	77	22980	5.101	ng/ul	92
8) Phenol	7.081	94	39481	4.782	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.334	93	34060	4.945	ng/ul	99
12) 2-Chlorophenol	7.446	128	32350	4.716	ng/ul	98
13) 2-Methylphenol	8.352	108	25362	4.070	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.410	45	46004m	5.426	ng/ul	
16) Acetophenone	8.752	105	48308	4.673	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.716	70	24460	4.988	ng/ul	95
18) 4-Methylphenol	8.681	108	29066	4.392	ng/ul	95
19) Hexachloroethane	8.957	117	13741	4.360	ng/ul#	80
22) Nitrobenzene	9.146	77	40331	5.040	ng/ul	95
23) Isophorone	9.657	82	65713	4.592	ng/ul	99
25) 2-Nitrophenol	9.852	139	16505	4.354	ng/ul#	88
26) 2,4-Dimethylphenol	9.899	107	27541	3.702	ng/ul	90
27) Bis(2-Chloroethoxy)met...	10.152	93	42843	4.840	ng/ul	97
29) 2,4-Dichlorophenol	10.375	162	30503	4.579	ng/ul	96
30) Naphthalene	10.781	128	108410	4.749	ng/ul	97
32) 4-Chloroaniline	10.928	127	35863	4.108	ng/ul	96
33) Hexachlorobutadiene	10.999	225	20926	3.869	ng/ul	98
34) Caprolactam	11.769	113	9854	5.745	ng/ul	86
35) 4-Chloro-3-methylphenol	12.046	107	25499	4.066	ng/ul	94
36) 2-Methylnaphthalene	12.398	142	67857	4.401	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.616	142	57781	3.664	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.751	216	37465	4.264	ng/ul#	98
40) Hexachlorocyclopentadiene	12.687	237	26714	5.292	ng/ul	99
41) 2,4,6-Trichlorophenol	13.016	196	20344	3.858	ng/ul	98
42) 2,4,5-Trichlorophenol	13.098	196	20344	3.732	ng/ul	98
43) 1,1'-Biphenyl	13.416	154	93927	4.801	ng/ul	96
44) 2-Chloronaphthalene	13.469	162	75198	4.755	ng/ul	98
45) 2-Nitroaniline	13.728	65	15204m	4.231	ng/ul	
47) Dimethylphthalate	14.057	163	93894	4.780	ng/ul	99
48) 2,6-Dinitrotoluene	14.210	165	12733	3.521	ng/ul#	80
50) Acenaphthylene	14.316	152	118871	4.774	ng/ul	99
51) 3-Nitroaniline	14.563	138	11051m	3.213	ng/ul	
52) Acenaphthene	14.657	153	81135	4.820	ng/ul	98
53) 2,4-Dinitrophenol	14.775	184	10073	4.963	ng/ul	89
55) 4-Nitrophenol	14.863	109	10823	3.600	ng/ul	92
56) Dibenzofuran	14.998	168	110941	4.694	ng/ul	94
57) 2,4-Dinitrotoluene	15.004	165	20272	3.799	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.222	232	17985	3.718	ng/ul#	88
59) Diethylphthalate	15.422	149	86910	4.582	ng/ul	98
61) Fluorene	15.651	166	92630	4.772	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.645	204	45168	4.377	ng/ul	94
63) 4-Nitroaniline	15.739	138	10548m	3.401	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	12895	3.648	ng/ul#	66
67) N-Nitrosodiphenylamine	15.875	169	72106	4.751	ng/ul	98
68) 4-Bromophenyl-phenylether	16.557	248	24058	4.104	ng/ul#	89
69) Hexachlorobenzene	16.634	284	27620	4.104	ng/ul#	85
70) Atrazine	16.845	200	16980	3.044	ng/ul	94
71) Pentachlorophenol	17.016	266	21541	5.324	ng/ul	97
72) Phenanthrene	17.428	178	143342	4.884	ng/ul	98
74) Anthracene	17.522	178	136810	4.603	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.369	216	28676	3.411	ng/uL	98
76) Pentachlorobenzene	14.887	250	29263	3.592	ng/uL	96
77) Carbazole	17.822	167	101464	4.039	ng/ul	98
78) Di-n-butylphthalate	18.328	149	121804	4.176	ng/ul	97
80) Fluoranthene	19.416	202	151412	4.965	ng/ul#	96
82) Pyrene	19.775	202	168866	5.227	ng/ul#	96
83) Butylbenzylphthalate	20.645	149	45098	4.059	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.463	252	32312	3.378	ng/ul#	94
85) Benzo(a)anthracene	21.510	228	146138	4.541	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.392	149	61020	3.934	ng/ul#	99
87) Chrysene	21.569	228	144505	4.748	ng/ul	98
89) Di-n-octyl phthalate	22.369	149	113141	4.358	ng/ul	100
90) Benzo(b)fluoranthene	23.292	252	135814m	4.868	ng/ul	
91) Benzo(k)fluoranthene	23.345	252	134511	4.758	ng/ul#	97
93) Benzo(a)pyrene	23.968	252	126905	4.846	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	26.809	276	144139	4.618	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.839	278	117109	4.497	ng/ul#	95
96) Benzo(g,h,i)perylene	27.656	276	120511	4.792	ng/ul#	92

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

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