Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010923\
Data File : BM038412.D
Acq On : 09 Jan 2023 13:22
Operator : CG/JU
Sample : N4239-05
Misc : SFAM-MDL-MES-01-4PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :Yogesh Patel 01/11/2023

Quant Time: Jan 09 14:00:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 02:11:50 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	51562	20.000	ng/ul	0.00
20) Naphthalene-d8	10.810	136	197108	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.627	164	127707	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.368	188	300455	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	317210	20.000	ng/ul	0.00
88) Perylene-d12	23.968	264	391311	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	6891	4.334	ng/uL	0.00
4) Pyridine-d5	3.799	84	56962	12.383	ng/ul	0.00
7) Phenol-d5	7.157	99	92607	19.715	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.322	67	69754	20.643	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	64135	19.056	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	61885	17.068	ng/ul	-0.01
21) Nitrobenzene-d5	9.169	128	28715	18.569	ng/ul	0.00
24) 2-Nitrophenol-d4	9.892	143	31365	17.884	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	60030	17.724	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	75831	16.225	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	179267	18.535	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	201314	17.861	ng/ul	0.00
54) 4-Nitrophenol-d4	14.833	143	25659	14.737	ng/ul	0.00
60) Fluorene-d10	15.616	176	159589	18.145	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	32609	14.975	ng/ul	0.00
73) Anthracene-d10	17.468	188	254945	17.590	ng/ul	0.00
81) Pyrene-d10	19.757	212	320362	18.149	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.809	264	342412	17.618	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.405	88	2155m	1.269	ng/uL	
5) Pyridine	3.822	79	19174	3.946	ng/ul#	82
6) Benzaldehyde	7.140	77	12894	6.677	ng/ul	94
8) Phenol	7.181	94	22655	4.572	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.422	93	17609	4.438	ng/ul	99
12) 2-Chlorophenol	7.557	128	14285	4.110	ng/ul	98
13) 2-Methylphenol	8.445	108	12347	3.488	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.522	45	26476	4.207	ng/ul	96
16) Acetophenone	8.828	105	24292	3.786	ng/ul#	95
17) N-Nitroso-di-n-propyla...	8.804	70	14653	4.239	ng/ul	97
18) 4-Methylphenol	8.775	108	15126	3.928	ng/ul	96
19) Hexachloroethane	9.075	117	6853	4.234	ng/ul#	86
22) Nitrobenzene	9.210	77	22007	4.315	ng/ul	99
23) Isophorone	9.734	82	36015	4.119	ng/ul	98
25) 2-Nitrophenol	9.922	139	7229	3.957	ng/ul	92
26) 2,4-Dimethylphenol	9.981	107	16949	3.969	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.216	93	20065	4.010	ng/ul	98
29) 2,4-Dichlorophenol	10.457	162	13180	4.002	ng/ul	93
30) Naphthalene	10.857	128	42948	4.085	ng/ul	99
32) 4-Chloroaniline	10.975	127	18266	3.836	ng/ul	94
33) Hexachlorobutadiene	11.134	225	10452	4.263	ng/ul	89
34) Caprolactam	11.769	113	3614m	3.845	ng/ul	
35) 4-Chloro-3-methylphenol	12.092	107	13252	3.782	ng/ul	98
36) 2-Methylnaphthalene	12.463	142	27384	3.996	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 02:11:50 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.681	142	26003	3.667	ng/ul	99
39)	1,2,4,5-Tetrachloroben...	12.828	216	18033	3.994	ng/ul	95
40)	Hexachlorocyclopentadiene	12.798	237	10810	3.390	ng/ul	91
41)	2,4,6-Trichlorophenol	13.069	196	10745	3.834	ng/ul	98
42)	2,4,5-Trichlorophenol	13.139	196	11630m	3.872	ng/ul	
43)	1,1'-Biphenyl	13.463	154	37379	3.872	ng/ul	96
44)	2-Chloronaphthalene	13.510	162	30929	3.924	ng/ul	96
45)	2-Nitroaniline	13.722	65	9438m	3.580	ng/ul	
47)	Dimethylphthalate	14.086	163	41101	4.188	ng/ul	99
48)	2,6-Dinitrotoluene	14.210	165	6752	3.613	ng/ul	97
50)	Acenaphthylene	14.351	152	47033	3.934	ng/ul	97
51)	3-Nitroaniline	14.545	138	5623m	3.268	ng/ul	
52)	Acenaphthene	14.692	153	34561	4.085	ng/ul	98
53)	2,4-Dinitrophenol	14.757	184	5594	4.004	ng/ul	94
55)	4-Nitrophenol	14.845	109	6396m	3.509	ng/ul	
56)	Dibenzofuran	15.027	168	48207	4.009	ng/ul	96
57)	2,4-Dinitrotoluene	14.992	165	10124	3.703	ng/ul#	93
58)	2,3,4,6-Tetrachlorophenol	15.251	232	10458	3.898	ng/ul	95
59)	Diethylphthalate	15.439	149	41656	4.095	ng/ul	98
61)	Fluorene	15.669	166	39067	3.784	ng/ul	98
62)	4-Chlorophenyl-phenyle...	15.663	204	22493	4.140	ng/ul	96
63)	4-Nitroaniline	15.704	138	6505m	3.951	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.757	198	8967	4.297	ng/ul#	95
67)	N-Nitrosodiphenylamine	15.880	169	32506	3.794	ng/ul	99
68)	4-Bromophenyl-phenylether	16.557	248	12403	3.897	ng/ul	93
69)	Hexachlorobenzene	16.668	284	14910	4.061	ng/ul	92
70)	Atrazine	16.827	200	13222	3.734	ng/ul	94
71)	Pentachlorophenol	17.021	266	8827	3.643	ng/ul	97
72)	Phenanthrene	17.410	178	65224	3.979	ng/ul	99
74)	Anthracene	17.504	178	65043	3.858	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.433	216	16930	3.733	ng/uL	97
76)	Pentachlorobenzene	14.945	250	15903	3.639	ng/uL	98
77)	Carbazole	17.774	167	52782	3.415	ng/ul	98
78)	Di-n-butylphthalate	18.327	149	71347	3.863	ng/ul	99
80)	Fluoranthene	19.421	202	77434	3.879	ng/ul	99
82)	Pyrene	19.786	202	86734	3.987	ng/ul#	94
83)	Butylbenzylphthalate	20.668	149	29545	3.541	ng/ul	95
84)	3,3'-Dichlorobenzidine	21.456	252	26154	3.954	ng/ul#	98
85)	Benzo(a)anthracene	21.521	228	87701	3.885	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.433	149	47304	3.673	ng/ul	99
87)	Chrysene	21.574	228	82925	3.824	ng/ul	98
89)	Di-n-octyl phthalate	22.362	149	86196	3.079	ng/ul	100
90)	Benzo(b)fluoranthene	23.221	252	93265	3.767	ng/ul	99
91)	Benzo(k)fluoranthene	23.274	252	91492m	3.680	ng/ul	
93)	Benzo(a)pyrene	23.862	252	85625	3.821	ng/ul	96
94)	Indeno(1,2,3-cd)pyrene	26.503	276	115254	4.047	ng/ul	93
95)	Dibenzo(a,h)anthracene	26.515	278	95163	4.004	ng/ul	99
96)	Benzo(g,h,i)perylene	27.280	276	94986	4.074	ng/ul	99

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

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