Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031425\
Data File : BM049721.D
Acq On : 14 Mar 2025 12:38
Operator : RC/JU
Sample : SSTD04087
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 14:50:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 14 14:07:56 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD040030

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/14/2025
Supervised By :Jagrut Upadhyay 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	433233	20.000	ng/ul	0.00
20) Naphthalene-d8	10.598	136	1699245	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.439	164	1211971	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.186	188	2474775	20.000	ng/ul	0.00
79) Chrysene-d12	21.427	240	2446636	20.000	ng/ul	0.00
88) Perylene-d12	24.438	264	1786371	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	167464	14.912	ng/uL	0.00
4) Pyridine-d5	3.657	84	1317716	39.208	ng/ul	0.00
7) Phenol-d5	6.975	99	1445452	40.807	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	908957	39.131	ng/ul	0.00
11) 2-Chlorophenol-d4	7.334	132	1133885	43.448	ng/ul	0.00
15) 4-Methylphenol-d8	8.516	113	1148660	42.637	ng/ul	0.00
21) Nitrobenzene-d5	8.957	128	551924	42.977	ng/ul	0.00
24) 2-Nitrophenol-d4	9.680	143	619494	47.063	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	1308296	45.740	ng/ul	0.00
31) 4-Chloroaniline-d4	10.727	131	1612856	41.231	ng/ul	0.00
46) Dimethylphthalate-d6	13.851	166	3718656	41.622	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	4477476	42.693	ng/ul	0.00
54) 4-Nitrophenol-d4	14.651	143	646393	41.133	ng/ul	0.01
60) Fluorene-d10	15.433	176	3376057	43.031	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	630880	42.958	ng/ul	0.01
73) Anthracene-d10	17.286	188	5405841	42.869	ng/ul	0.00
81) Pyrene-d10	19.574	212	6433136	46.304	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.232	264	4275099	44.605	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	174714	14.852	ng/uL	94
5) Pyridine	3.675	79	1319849	38.717	ng/ul	98
6) Benzaldehyde	6.939	77	829949	41.666	ng/ul	99
8) Phenol	6.998	94	1486654	40.274	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.222	93	1191870	40.022	ng/ul	99
12) 2-Chlorophenol	7.369	128	1154209	42.126	ng/ul	98
13) 2-Methylphenol	8.245	108	1092317	41.629	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.322	45	1505176	37.359	ng/ul	100
16) Acetophenone	8.622	105	1915005	42.201	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.616	70	1009318	43.293	ng/ul	98
18) 4-Methylphenol	8.581	108	1225673	42.505	ng/ul	100
19) Hexachloroethane	8.880	117	490568	39.906	ng/ul	98
22) Nitrobenzene	8.998	77	1337829	39.612	ng/ul	100
23) Isophorone	9.533	82	2671645	43.064	ng/ul	99
25) 2-Nitrophenol	9.710	139	674223	45.387	ng/ul	98
26) 2,4-Dimethylphenol	9.775	107	1185784	41.488	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.010	93	1600166	41.384	ng/ul	100
29) 2,4-Dichlorophenol	10.245	162	1280064	44.370	ng/ul	99
30) Naphthalene	10.645	128	3696775	41.441	ng/ul	100
32) 4-Chloroaniline	10.751	127	1553176	41.296	ng/ul	100
33) Hexachlorobutadiene	10.939	225	893180	43.303	ng/ul	99
34) Caprolactam	11.539	113	366688m	42.763	ng/ul	
35) 4-Chloro-3-methylphenol	11.886	107	1177284	45.761	ng/ul	97
36) 2-Methylnaphthalene	12.263	142	2786719	43.959	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.480	142	2761919	44.041	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.633	216	1868821	43.561	ng/ul	99
40) Hexachlorocyclopentadiene	12.616	237	1065540	40.434	ng/ul	99
41) 2,4,6-Trichlorophenol	12.874	196	1111173	46.018	ng/ul	98
42) 2,4,5-Trichlorophenol	12.945	196	1197168	45.271	ng/ul	99
43) 1,1'-Biphenyl	13.274	154	3780839	41.185	ng/ul	100
44) 2-Chloronaphthalene	13.316	162	2962827	40.423	ng/ul	98
45) 2-Nitroaniline	13.515	65	766520	41.305	ng/ul	96
47) Dimethylphthalate	13.904	163	3637491	40.863	ng/ul	100
48) 2,6-Dinitrotoluene	14.015	165	729013	45.309	ng/ul	100
50) Acenaphthylene	14.163	152	4472951	41.377	ng/ul	100
51) 3-Nitroaniline	14.345	138	677443	40.571	ng/ul	97
52) Acenaphthene	14.510	153	3231530	41.507	ng/ul	99
53) 2,4-Dinitrophenol	14.545	184	419198	45.228	ng/ul	98
55) 4-Nitrophenol	14.662	109	513175	39.885	ng/ul	99
56) Dibenzofuran	14.839	168	4446084	40.938	ng/ul	100
57) 2,4-Dinitrotoluene	14.804	165	1041893	44.622	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.068	232	988113	47.603	ng/ul	98
59) Diethylphthalate	15.274	149	3537036	41.137	ng/ul	99
61) Fluorene	15.492	166	4090255	42.908	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.486	204	2267764	45.003	ng/ul	96
63) 4-Nitroaniline	15.509	138	666729	39.987	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.568	198	699242	42.641	ng/ul	99
67) N-Nitrosodiphenylamine	15.698	169	3177462	41.944	ng/ul	100
68) 4-Bromophenyl-phenylether	16.380	248	1258735	44.713	ng/ul	95
69) Hexachlorobenzene	16.498	284	1430422	43.852	ng/ul	95
70) Atrazine	16.656	200	1231367	41.443	ng/ul	99
71) Pentachlorophenol	16.839	266	879103	43.216	ng/ul	98
72) Phenanthrene	17.227	178	6068239	42.231	ng/ul	99
74) Anthracene	17.321	178	6112352	42.087	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	1779522	42.077	ng/uL	99
76) Pentachlorobenzene	14.762	250	1773450	42.751	ng/uL	100
77) Carbazole	17.586	167	5260171	39.633	ng/ul	99
78) Di-n-butylphthalate	18.156	149	6202824	42.651	ng/ul	99
80) Fluoranthene	19.245	202	7362541	45.884	ng/ul	97
82) Pyrene	19.603	202	7897772	45.077	ng/ul	100
83) Butylbenzylphthalate	20.509	149	2560368	44.846	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.327	252	2243607	44.164	ng/ul	100
85) Benzo(a)anthracene	21.409	228	7291333	42.955	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	3793946	42.197	ng/ul#	97
87) Chrysene	21.468	228	6565871	42.162	ng/ul	99
89) Di-n-octyl phthalate	22.480	149	5432783	46.185	ng/ul	100
90) Benzo(b)fluoranthene	23.485	252	5489619	46.277	ng/ul	99
91) Benzo(k)fluoranthene	23.550	252	5555115	46.056	ng/ul	99
93) Benzo(a)pyrene	24.303	252	4779252	43.951	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.838	276	4829066	36.949	ng/ul	99
95) Dibenzo(a,h)anthracene	27.897	278	3936333	36.748	ng/ul	99
96) Benzo(g,h,i)perylene	28.897	276	3507055	35.360	ng/ul	98

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

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