Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
Data File : VY007823.D
Acq On : 10 Mar 2022 14:19
Operator : SY/MD
Sample : VY0310SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 10 23:56:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 01 09:08:03 2022
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2022
Supervised By :Mahesh Dadoda 03/11/2022

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.789	168	251826	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.691	114	400718	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.490	117	357618	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183009	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.143	65	122020	46.283	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.560%				
35) Dibromofluoromethane	7.716	113	118311	46.181	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.360%				
50) Toluene-d8	10.179	98	407674	43.229	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.460%				
62) 4-Bromofluorobenzene	12.483	95	140494	46.217	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.906	85	38957	21.454	ug/l		97
3) Chloromethane	2.119	50	63010	20.631	ug/l		100
4) Vinyl Chloride	2.253	62	82358	21.800	ug/l		100
5) Bromomethane	2.650	94	76084	24.918	ug/l		98
6) Chloroethane	2.796	64	60669	20.940	ug/l		91
7) Trichlorofluoromethane	3.131	101	96392	22.331	ug/l		99
8) Diethyl Ether	3.528	74	30616	22.043	ug/l		84
9) 1,1,2-Trichlorotrifluo...	3.899	101	59955	22.754	ug/l		94
10) Methyl Iodide	4.095	142	54921	17.132	ug/l		94
11) Tert butyl alcohol	4.948	59	21414	93.816	ug/l	#	84
12) 1,1-Dichloroethene	3.875	96	51991	22.233	ug/l		92
13) Acrolein	3.729	56	23311	97.980	ug/l		100
14) Allyl chloride	4.485	41	80745	22.956	ug/l	#	91
15) Acrylonitrile	5.161	53	77715	106.003	ug/l		95
16) Acetone	3.948	43	64979	121.158	ug/l		93
17) Carbon Disulfide	4.192	76	133266	21.473	ug/l		99
18) Methyl Acetate	4.472	43	40146	22.484	ug/l		93
19) Methyl tert-butyl Ether	5.222	73	150652	20.757	ug/l		99
20) Methylene Chloride	4.716	84	67437	23.923	ug/l		93
21) trans-1,2-Dichloroethene	5.222	96	59216	21.702	ug/l		88
22) Diisopropyl ether	6.119	45	195479	23.264	ug/l		96
23) Vinyl Acetate	6.058	43	576415	108.474	ug/l		97
24) 1,1-Dichloroethane	6.015	63	116936	23.032	ug/l		95
25) 2-Butanone	6.984	43	99275	110.345	ug/l	#	88
26) 2,2-Dichloropropane	6.978	77	102407	22.665	ug/l		99
27) cis-1,2-Dichloroethene	6.990	96	69602	21.753	ug/l		91
28) Bromochloromethane	7.338	49	45923	21.269	ug/l		96
29) Tetrahydrofuran	7.350	42	63181	102.634	ug/l		91
30) Chloroform	7.509	83	121024	23.009	ug/l		93
31) Cyclohexane	7.789	56	98117	21.935	ug/l		91
32) 1,1,1-Trichloroethane	7.697	97	106048	22.654	ug/l		99
36) 1,1-Dichloropropene	7.917	75	86144	21.375	ug/l		98
37) Ethyl Acetate	7.076	43	42040	18.886	ug/l		96
38) Carbon Tetrachloride	7.905	117	95431	22.198	ug/l		89
39) Methylcyclohexane	9.185	83	103960	20.989	ug/l	#	86
40) Benzene	8.161	78	252932	22.551	ug/l		97

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.313	41	21817m	20.510 ug/l		
42) 1,2-Dichloroethane	8.240	62	77330	22.096 ug/l		93
43) Isopropyl Acetate	8.271	43	81868	19.888 ug/l		92
44) Trichloroethene	8.941	130	66994	21.507 ug/l		96
45) 1,2-Dichloropropane	9.216	63	64860	22.362 ug/l		90
46) Dibromomethane	9.307	93	38785	22.277 ug/l		93
47) Bromodichloromethane	9.496	83	90696	22.210 ug/l		96
48) Methyl methacrylate	9.295	41	35581	19.941 ug/l	#	87
49) 1,4-Dioxane	9.295	88	8223	391.215 ug/l	#	85
51) 4-Methyl-2-Pentanone	10.069	43	226172	102.685 ug/l		95
52) Toluene	10.246	92	158156	21.808 ug/l		98
53) t-1,3-Dichloropropene	10.465	75	88229	21.044 ug/l		95
54) cis-1,3-Dichloropropene	9.929	75	101669	21.949 ug/l		90
55) 1,1,2-Trichloroethane	10.648	97	51102	21.575 ug/l		97
56) Ethyl methacrylate	10.508	69	60298	19.175 ug/l		88
57) 1,3-Dichloropropane	10.788	76	86048	21.483 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.783	63	160608	93.651 ug/l		99
59) 2-Hexanone	10.831	43	150320	101.343 ug/l		94
60) Dibromochloromethane	10.990	129	62365	22.112 ug/l		98
61) 1,2-Dibromoethane	11.087	107	47524	21.050 ug/l		97
64) Tetrachloroethene	10.721	164	54817	20.679 ug/l		94
65) Chlorobenzene	11.514	112	172079	22.086 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.593	131	65336	22.425 ug/l		97
67) Ethyl Benzene	11.593	91	302196	21.508 ug/l		99
68) m/p-Xylenes	11.703	106	234207	43.443 ug/l		93
69) o-Xylene	12.032	106	110660	21.661 ug/l		92
70) Styrene	12.044	104	187304	21.896 ug/l		95
71) Bromoform	12.209	173	37583	20.717 ug/l	#	99
73) Isopropylbenzene	12.331	105	298641	20.946 ug/l		100
74) N-amyl acetate	12.142	43	70065	18.461 ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.587	83	60519	20.239 ug/l		97
76) 1,2,3-Trichloropropane	12.636	75	44866m	21.952 ug/l		
77) Bromobenzene	12.611	156	67092	20.430 ug/l		97
78) n-propylbenzene	12.672	91	368454	21.417 ug/l		100
79) 2-Chlorotoluene	12.758	91	197216	21.422 ug/l		96
80) 1,3,5-Trimethylbenzene	12.812	105	240584	21.103 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.380	75	17492	17.497 ug/l		94
82) 4-Chlorotoluene	12.855	91	200608	21.185 ug/l		96
83) tert-Butylbenzene	13.075	119	216259	20.623 ug/l		94
84) 1,2,4-Trimethylbenzene	13.123	105	241858	21.538 ug/l		97
85) sec-Butylbenzene	13.257	105	330839	21.328 ug/l		99
86) p-Isopropyltoluene	13.373	119	273101	21.316 ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	139371	21.327 ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	138311	21.445 ug/l		98
89) n-Butylbenzene	13.696	91	262452	21.674 ug/l		97
90) Hexachloroethane	13.965	117	53722	22.121 ug/l		82
91) 1,2-Dichlorobenzene	13.739	146	124836	21.514 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8609	19.011 ug/l		88
93) 1,2,4-Trichlorobenzene	15.007	180	71482	19.458 ug/l		99
94) Hexachlorobutadiene	15.117	225	43088	19.838 ug/l		95
95) Naphthalene	15.239	128	134499	17.997 ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	65135	19.894 ug/l		99

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

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

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